### Antibodies and Related Products
for glycobiology and immunological research

#### Anti-Glyco Antibodies

TCI antibody reagents support glycobiology research

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Name</th>
<th>Form</th>
<th>Description</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2505</td>
<td>Anti-GM&lt;sub&gt;1&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2576</td>
<td>Anti-GM&lt;sub&gt;3&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
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<tr>
<td>A2575</td>
<td>Anti-GM&lt;sub&gt;3&lt;/sub&gt; Monoclonal Antibody (Culture Supernatant)</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.2mL</td>
<td>0.2mL / vial</td>
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<tr>
<td>A2582</td>
<td>Anti-GM&lt;sub&gt;3&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
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<tr>
<td>A2581</td>
<td>Anti-GM&lt;sub&gt;3&lt;/sub&gt; Monoclonal Antibody (Culture Supernatant)</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.2mL</td>
<td>0.2mL / vial</td>
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<tr>
<td>A2506</td>
<td>Anti-Gb&lt;sub&gt;1&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgG&lt;sub&gt;2b&lt;/sub&gt;, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2586</td>
<td>Anti-Gb&lt;sub&gt;3&lt;/sub&gt; Monoclonal Antibody (Culture Supernatant)</td>
<td>Purified mouse IgG&lt;sub&gt;2b&lt;/sub&gt;, κ-chain</td>
<td>0.2mL</td>
<td>0.2mL / vial</td>
</tr>
<tr>
<td>A2822</td>
<td>Anti-Gb&lt;sub&gt;3&lt;/sub&gt; Monoclonal Antibody Biotin Conjugate</td>
<td>Purified mouse IgG&lt;sub&gt;2b&lt;/sub&gt;, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
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<tr>
<td>A2507</td>
<td>Anti-GD&lt;sub&gt;1a&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2508</td>
<td>Anti-GD&lt;sub&gt;1b&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
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<tr>
<td>A2580</td>
<td>Anti-GD&lt;sub&gt;3&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgG&lt;sub&gt;3&lt;/sub&gt;, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2579</td>
<td>Anti-GD&lt;sub&gt;3&lt;/sub&gt; Monoclonal Antibody (Culture Supernatant)</td>
<td>Purified mouse IgG&lt;sub&gt;3&lt;/sub&gt;, κ-chain</td>
<td>0.2mL</td>
<td>0.2mL / vial</td>
</tr>
<tr>
<td>A2662</td>
<td>Anti-GQ&lt;sub&gt;1b&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2702</td>
<td>Anti-GT&lt;sub&gt;1a&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2732</td>
<td>Anti-GT&lt;sub&gt;1b&lt;/sub&gt; Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
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<tr>
<td>A2578</td>
<td>Anti-Lewis X Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2577</td>
<td>Anti-Lewis X Monoclonal Antibody (Culture Supernatant)</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.2mL</td>
<td>0.2mL / vial</td>
</tr>
<tr>
<td>A2510</td>
<td>Anti-Lewis Y Monoclonal Antibody</td>
<td>Purified mouse IgG&lt;sub&gt;3&lt;/sub&gt;, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2587</td>
<td>Anti-Lewis Y Monoclonal Antibody (Culture Supernatant)</td>
<td>Purified mouse IgG&lt;sub&gt;3&lt;/sub&gt;, κ-chain</td>
<td>0.2mL</td>
<td>0.2mL / vial</td>
</tr>
<tr>
<td>A2584</td>
<td>Anti-Sialyl Lewis A Monoclonal Antibody (1H4)</td>
<td>Purified mouse IgG&lt;sub&gt;3&lt;/sub&gt;, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2583</td>
<td>Anti-Sialyl Lewis A Monoclonal Antibody (1H4, Culture Supernatant)</td>
<td>Purified mouse IgG&lt;sub&gt;3&lt;/sub&gt;, κ-chain</td>
<td>0.2mL</td>
<td>0.2mL / vial</td>
</tr>
<tr>
<td>A2509</td>
<td>Anti-Sialyl Lewis A Monoclonal Antibody (2D3)</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2849</td>
<td>Anti-Sialyl Lewis X Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2706</td>
<td>Anti-SGP&lt;sub&gt;2&lt;/sub&gt;(HNK-1) Monoclonal Antibody</td>
<td>Purified mouse IgG&lt;sub&gt;2a&lt;/sub&gt;, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2872</td>
<td>Anti-Chondroitin Sulfate D Monoclonal Antibody</td>
<td>Purified mouse IgM, κ-chain</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
<tr>
<td>A2968</td>
<td>Anti-Keratan Sulfate Monoclonal Antibody (R-10G)</td>
<td>Purified mouse IgMG1</td>
<td>0.1mg</td>
<td>0.1mg / vial</td>
</tr>
</tbody>
</table>

*Anti-GD<sub>2</sub> antibody, Anti-GM<sub>2</sub> (NeuGc) antibody and Biotin, Fluorescent, Beads conjugate will be available soon.*
**Anti-Endo-M Antibodies**

- **A2958** Anti-Endo-M polyclonal Antibody  
  Immunogen: endo-β-N-Acetylglucosaminidase (Endo-M)  
  Product Form: Purified rabbit IgG  
  0.2mg / vial

- **A2959** Anti-Endo-M polyclonal Antibody Biotin Conjugate  
  0.1mg / vial

**Secondary Antibodies and Others**

**Anti-Mouse IgG**

- **G0386** Goat Anti-Mouse IgG  
  1mg / vial

- **G0387** Goat Anti-Mouse IgG Biotin Conjugate  
  0.1mg / vial

- **G0407** Goat Anti-Mouse IgG HRP Conjugate  
  0.1mg / vial

- **G0406** Goat Anti-Mouse IgG FITC Conjugate  
  0.1mg / vial

**Anti-Mouse IgM**

- **G0408** Goat Anti-Mouse IgM  
  0.2mg / vial

- **G0432** Goat Anti-Mouse IgM Biotin Conjugate  
  0.1mg / vial

- **G0417** Goat Anti-Mouse IgM HRP Conjugate  
  0.1mg / vial

- **G0453** Goat Anti-Mouse IgM FITC Conjugate  
  0.1mg / vial

**Anti-Rabbit IgG**

- **G0388** Goat Anti-Rabbit IgG  
  1mg / vial

- **G0389** Goat Anti-Rabbit IgG Biotin Conjugate  
  0.1mg / vial

- **G0418** Goat Anti-Rabbit IgG HRP Conjugate  
  0.1mg / vial

- **G0452** Goat Anti-Rabbit IgG FITC Conjugate  
  0.1mg / vial

**Anti-Chicken IgY**

- **S0998** Sheep Anti-Chicken IgY  
  1mg / vial

**Anti-HRP Antibody**

- **A2250** Anti-HRP Rabbit Polyclonal Antibody  
  Immunogen: Horseradish Peroxidase  
  Product Form: Purified rabbit IgG  
  0.2mL

**Anti-Protein A Antibodies**

- **A3044** Anti-Protein A Chicken Polyclonal Antibody  
  Immunogen: Protein A (Staphylococcus aureus)  
  Product Form: Purified rabbit IgY  
  0.1mg / vial

- **A3045** Anti-Protein A Chicken Polyclonal Antibody Biotin Conjugate  
  0.05mg / vial

**Streptavidins**

- **S0951** Streptavidin from Streptomyces avidinii  
  1mg / vial

- **S0966** Streptavidin FITC Conjugate  
  0.1mg / vial

- **S0972** Streptavidin HRP Conjugate  
  0.1mg / vial

- **S0993** Streptavidin DTBTA-Eu³⁺ Conjugate  
  0.1mg / vial

**Anti-Influenza Antibodies**

- **A2407** Anti-Influenza A Virus Neuraminidase N1 Monoclonal Antibody  
  Immunogen: Influenza A/Beijing/262/95  
  Clone name: 2-3B  
  Isotype: Mouse IgG1  
  0.2mL

- **I0779** Anti-Influenza A Virus Hemagglutinin H3 Monoclonal Antibody  
  Immunogen: Influenza A/sydney/5/97  
  Clone name: 1G8  
  Isotype: Mouse IgG3  
  0.2mL

- **A2380** Anti-Influenza A Virus Neuraminidase N2 Monoclonal Antibody  
  Immunogen: Influenza A/sydney/5/97  
  Clone name: 1-4B  
  Isotype: Mouse IgG1  
  0.2mL

- **A2406** Anti-Influenza A virus Nucleoprotein Monoclonal Antibody  
  Immunogen: Influenza A/Beijing/262/95  
  Clone name: 17  
  Isotype: Mouse IgG2a  
  0.2mL
**Anti-Tag Antibodies**

A2957 Anti-6xHis Monoclonal Antibody (6A12)  
Immunogen: HHHHHH (6xHis)  
Product Form: Purified mouse IgG  
0.1mg / vial

A3010 Anti-6xHis Monoclonal Antibody (6A12) Biotin Conjugate  
Immunogen: HHHHHH (6xHis)  
Product Form: Purified mouse IgG  
0.05mg / vial

A2239 Anti-DTBTA-Eu3+ Rabbit Polyclonal Antibody  
Immunogen: DTBTA-Eu3+  
Product Form: Purified rabbit IgG  
0.5mL

A2181 Anti-DTBTA-Eu3+ Rabbit Antiserum  
Immunogen: DTBTA-Eu3+  
Product Form: Rabbit serum, Polyclonal antibody  
0.5mL

**Related Product**

A2083 ATBTA-Eu3+  
ATBTA-Eu3+ is a europium chelate complex and can be used as a fluorescent labeling reagent. ATBTA-Eu3+ is easily labeled to protein etc. after conversion to DTBTA-Eu3+ by cyanuric chloride.

**Key features**

- $\lambda_{\text{ex max}} = 335 \text{ nm}$*  
- $\lambda_{\text{em max}} = 616 \text{ nm}$*  
- $\tau = 1.02 \text{ ms}$* 

Cyanuric chloride (Product Number: C0460) is needed to convert ATBTA-Eu3+ to DTBTA-Eu3+.

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**Synthetic Carbohydrate Chains**

TCI provides structural defined synthetic carbohydrate chains

Gb$_3$β-ethylamine [G0402]  
Ganglioside GM$_1$[d18:1, (Carbon-13)C16:0] [G0421]

Ganglioside GM$_3$[d18:1, (Carbon-13)C16:0] [G0419]  
HNK-1 Ethylazide [H1333]

Forssman Pentaose MP Glycoside [F0584]  
Sialyl Neolactotetraosylceramide [S0910]

SSEA-1-PrNH$_2$ [S0946]  
Sialyl Lewis X–Lactose [S0849]

These are parts of TCI products. Please contact us if there is another carbohydrate that you interest.

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**TCI's custom synthesis service of carbohydrate chain**

TCI chemical synthesis technology allows getting available high pure carbohydrate chains in large quantities.

**If you are interested in custom synthesis of carbohydrate chain, contact TCI.**

TCI custom synthesis service supports characterization of your favorite anti-carbohydrate antibody through a synthetic antigen.

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www.TCIchemicals.com
### Substrates for Peroxidase

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Product Name</th>
<th>Abbreviation</th>
<th>Detection</th>
<th>Unit size</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2166</td>
<td>2,2’-Azinobis(3-ethylbenzothiazoline-6-sulfonic Acid Ammonium Salt)</td>
<td>ABTS</td>
<td>405nm</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>P1805</td>
<td>1,2-Phenylenediamine</td>
<td>OPD</td>
<td>492nm</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>T2573</td>
<td>3,3′,5,5′-Tetramethylbenzidine</td>
<td>TMB</td>
<td>450nm</td>
<td>1g / 5g</td>
</tr>
</tbody>
</table>

### Chromogenic insoluble dyes for histochemical staining, hybridization, Western blotting etc.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Product Name</th>
<th>Abbreviation</th>
<th>Detection</th>
<th>Unit size</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3931</td>
<td>N,N-Dimethyl-1,4-phenylene-diamine Dihydrochloride</td>
<td>Fast Blue B 2HCl</td>
<td>Vivid purplish red&lt;sup&gt;2&lt;/sup&gt;</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>N0864</td>
<td>1-Naphthol</td>
<td>AEC</td>
<td>Red</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>A2167</td>
<td>3-Amino-9-ethylcarbazole</td>
<td>DAB</td>
<td>Brown</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>C2291</td>
<td>4-Chloro-1-naphthol</td>
<td>DAB 4HCl</td>
<td>Brown</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>D3756</td>
<td>3,3′-Diaminobenzidine</td>
<td>DAB</td>
<td>Brown</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>D3757</td>
<td>3,3′-Diaminobenzidine Tetrahydrochloride Hydrate</td>
<td>DAB 4HCl</td>
<td>Brown</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>D3893</td>
<td>o-Dianisidine Dihydrochloride</td>
<td>Fast Blue B</td>
<td>Vivid purplish red&lt;sup&gt;2&lt;/sup&gt;</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>D3864</td>
<td>o-Dianisidine</td>
<td>Fast Blue B</td>
<td>Vivid purplish red&lt;sup&gt;2&lt;/sup&gt;</td>
<td>1g / 5g</td>
</tr>
</tbody>
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<sup>1</sup>: Use together with B1239 (or B1846)  
<sup>2</sup>: Use together with C2291

### Substrates for Phosphatase

#### Chromogenic soluble dyes for ELISA

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Product Name</th>
<th>Abbreviation</th>
<th>Detection</th>
<th>Unit size</th>
</tr>
</thead>
<tbody>
<tr>
<td>D4005</td>
<td>Disodium 4-Nitrophenyl Phosphate Hexahydrate</td>
<td>pNPP</td>
<td>405nm</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>N0422</td>
<td>4-Nitrophenyl Phosphate Di(tris) Salt Hydrate</td>
<td></td>
<td>5g / 25g</td>
<td></td>
</tr>
<tr>
<td>N0452</td>
<td>Monosodium 1-Naphthyl Phosphate Monohydrate</td>
<td></td>
<td>1g / 5g / 25g</td>
<td></td>
</tr>
<tr>
<td>P0263</td>
<td>Disodium 1-Naphthyl Phosphate Hydrate</td>
<td></td>
<td>1g / 5g / 25g</td>
<td></td>
</tr>
</tbody>
</table>

#### Chromogenic insoluble dyes for histochemical staining, hybridization, immunoblotting

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Product Name</th>
<th>Abbreviation</th>
<th>Detection</th>
<th>Unit size</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0844</td>
<td>Nitro Blue Tetrazolium</td>
<td>NBT</td>
<td>Blue purple&lt;sup&gt;1&lt;/sup&gt;</td>
<td>100mg / 1g</td>
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<tr>
<td>I0781</td>
<td>2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-phenyltetrazolium Chloride</td>
<td>INT</td>
<td>Brown&lt;sup&gt;1&lt;/sup&gt;</td>
<td>100mg / 1g</td>
</tr>
<tr>
<td>V0109</td>
<td>Variamine Blue B Diazonium Salt</td>
<td></td>
<td>Navy blue&lt;sup&gt;2&lt;/sup&gt;</td>
<td>5g / 25g</td>
</tr>
<tr>
<td>B3581</td>
<td>Blue Tetrazolium</td>
<td>BT</td>
<td>Blue&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1g / 5g</td>
</tr>
<tr>
<td>B1239</td>
<td>5-Bromo-4-chloro-3-indolyl Phosphate p-Toluidine Salt</td>
<td>X-Phosphate p-Toluidine Salt</td>
<td>Blue</td>
<td>100mg / 1g</td>
</tr>
<tr>
<td>C2250</td>
<td>Naphthol AS-TR phosphate</td>
<td></td>
<td>Blue</td>
<td>200mg</td>
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</tbody>
</table>

<sup>1</sup>: Use together with B1239 (or B1846)  
<sup>2</sup>: Use together with C2250