**DESCRIPTION**

**Species Reactivity**  
Mouse

**Specificity**  
Detects mouse Siglec-E in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse (rm) Siglec-3/CD33 or rmSiglec-F is observed.

**Source**  
Monoclonal Rat IgG₂B Clone # 750620

**Purification**  
Protein A or G purified from hybridoma culture supernatant

**Immunogen**  
Mouse myeloma cell line NS0-derived recombinant mouse Siglec-E  
Gln19-Phe354  
Accession # Q91Y57

**Formulation**  
Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>APPLICATIONS</th>
<th>Recommended Concentration</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>2.5 μg/10⁶ cells</td>
<td>See Below</td>
</tr>
<tr>
<td>CyTOF-ready</td>
<td>Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.</td>
<td></td>
</tr>
</tbody>
</table>

**DATA**

**Flow Cytometry**  
Detection of Mouse Siglec-E in Mouse Splenocytes. Mouse Splenocytes were stained with Anti-Mouse Integrin-αX/CD11c Phycoerythrin-conjugated Antibody and either (A) Rat IgG₂B isotype Control (Catalog # MAB0061) or (B) Rat Anti-Mouse Siglec-E Monoclonal Antibody (Catalog # MAB5806) followed by Allophycocyanin-conjugated Anti-Rat IgG Secondary Antibody (Catalog # F0113).

**PREPARATION AND STORAGE**

**Reconstitution**  
Sterile PBS to a final concentration of 0.5 mg/mL

**Shipping**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.  
*Small pack size (SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

**Stability & Storage**  
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  
- 12 months from date of receipt, -20 to -70 °C as supplied.  
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.  
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

**BACKGROUND**

Mouse Siglec-E (Salic acid binding Ig-like lectin E), also known as Siglec1, is a 52 kDa (predicted) member of the CD33-related subfamily of Siglecs.