

## DESCRIPTION

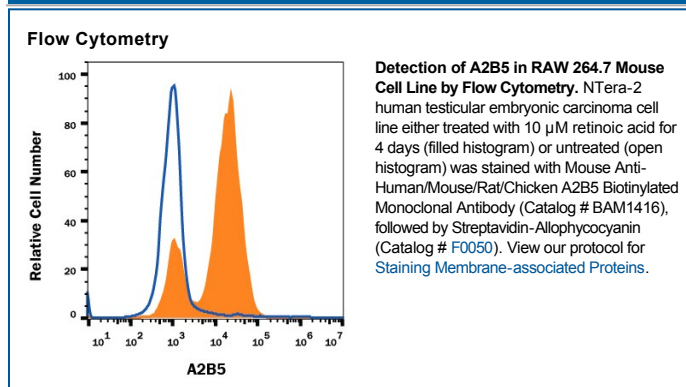
<b>Species Reactivity</b>	Human/Mouse/Rat/Chicken
<b>Specificity</b>	Recognizes the A2B5 cell surface ganglioside epitope found on type II astrocytes, cells involved in gliogenesis, and cells committed to the oligodendrocyte lineage (1-4).
<b>Source</b>	Monoclonal Mouse IgM Clone # 105
<b>Purification</b>	IgM-specific Affinity-purified from hybridoma culture supernatant
<b>Immunogen</b>	Embryonic chicken retinal cells
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

## 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

A2B5 is a cell surface ganglioside epitope expressed in developing thymic epithelial cells, oligodendrocyte progenitors, and neuroendocrine cells (1).

### References:

1. Eisenbarth, G.S. *et al.* (1979) Proc. Natl. Acad. Sci. USA **76**:4913.
2. Bottenstein, J.E. *et al.* (1988) J. Neurosci. Res. **20**:291.
3. Suzumura, A. and D.H. Silberberg (1989) Brain Res. **480**:51.
4. Dubois-Dalcq, M. *et al.* (1990) Cellular and Molecular Biology of Myelination, Springer-Verlag, pp. 3.