

DESCRIPTION

Species Reactivity	Human/Mouse/Rat/Chicken
Specificity	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).
Source	Monoclonal Mouse IgM Clone # 105
Purification	IgM-specific Affinity-purified from hybridoma culture supernatant
Immunogen	Embryonic chicken retinal cells
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	NTera-2 human testicular embryonic carcinoma cell line treated with retinoic acid

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

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.

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