

DESCRIPTION

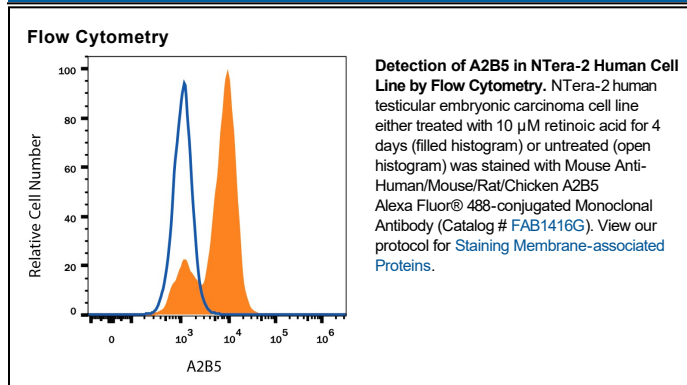
Species Reactivity	Human/Mouse/Rat/Chicken
Specificity	Recognizes the A2B5 cell surface ganglioside epitope found on type II astrocytes, cells involved in gliogenesis, and cells committed to the oligodendrocyte lineage (1-4).
Source	Monoclonal Mouse IgM Clone # 105
Purification	IgM-specific Affinity-purified from hybridoma culture supernatant
Immunogen	Embryonic chicken retinal cells
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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	See Below

DATA



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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