

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 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.

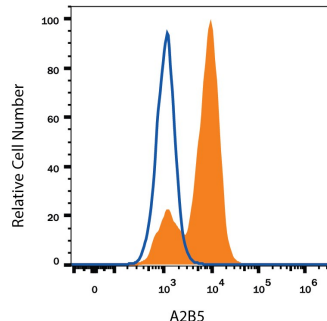
APPLICATIONS

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.

Flow Cytometry Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Samples used for this experiment were NTERA-2 cells treated with retinoic acid and βTC-6 cells.

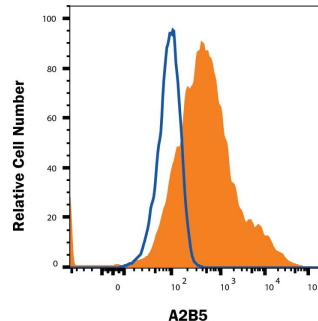
DATA

Flow Cytometry



Detection of A2B5 in NTERA-2 Human Cell Line by Flow Cytometry. NTERA-2 human testicular embryonic carcinoma cell line either treated with 10 µM retinoic acid for 4 days (filled histogram) or untreated (open histogram) was stained with Mouse Anti-Human/Mouse/Rat/Chicken A2B5 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB1416G). View our protocol for [Staining Membrane-associated Proteins](#).

Flow Cytometry



Detection of A2B5 in βTC-6 cells by Flow Cytometry. βTC-6 cells were stained with Mouse Anti-Human/Mouse/Rat/Chicken A2B5 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB1416G, filled histogram) or isotype control antibody (Catalog # IC015G, open histogram). View our protocol for [Staining Membrane-associated Proteins](#).

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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