Human NG2/MCSP APC-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # LHM-2

Catalog Number: FAB2585A

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NG2/MCSP in Western blots.
Source	Monoclonal Mouse IgG_1 Clone # LHM-2
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human melanoma cells
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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.

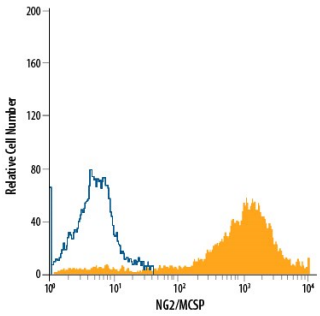
APPLICATIONS

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.*

	Recommended Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of NG2/MCSP in G361 Human Cell Line by Flow Cytometry. G361 human melanoma cell line was stained with Mouse Anti-Human NG2/MCSP APC-conjugated Monoclonal Antibody (Catalog # FAB2585A, filled histogram) or isotype control antibody (Catalog # IC002A, 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

NG2, also known as MCSP, is a chondroitin sulfate proteoglycan that has been used as a cell surface marker for melanoma (1) and glial precursor cells (2). NG2 also promotes epidermal stem cell patterned clustering (3).

References:

1. Kupsch, J.M. *et al.* (1995) Melanoma Res. **5**:403.
2. Stegmuller, J. *et al.* (2002) J. Neurocytol. **31**:497.
3. Legg, J. *et al.* (2003) Development **130**:6049.

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