

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	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	G361 human melanoma cell line (Smith, F.O. <i>et al.</i> (1996) <i>Blood</i> 87 :1123).

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. <ul style="list-style-type: none"> 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. Stegmüller, J. *et al.* (2002) *J. Neurocytol.* **31**:497.
3. Legg, J. *et al.* (2003) *Development* **130**:6049.

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