

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human NG2/MCSP in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # LHM-2
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Human melanoma cells
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	G361 human melanoma cell line (Smith, F.O. <i>et al.</i> (1996) <i>Blood</i> <b>87</b> :1123).

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### 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.

#### PRODUCT SPECIFIC NOTICES

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