

DESCRIPTION

Species Reactivity	Human
Specificity	Detects a 220 - 240 kDa cell-surface protein whose N-terminal amino acid sequence is identical to the rat NG2 chondroitin sulfate proteoglycan molecule (1).
Source	Monoclonal Mouse IgG ₁ Clone # 7.1
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human transformed stromal 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

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

The clone 7.1 antibody recognizes a cell surface-expressed chondroitin sulfate proteoglycan that is the human homolog of rat NG2 antigen. The NG2 antigen, also known as chondroitin sulfate proteoglycan 4, can be found on human glial cell population and is also expressed on myeloid and lymphoid cell subsets with chromosomal modifications.

References:

1. Smith, F.O. *et al.* (1996) *Blood*. **87**:1123.

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