

**Neural Cell Adhesion Molecule 1 (NCAM1) Antibody (APC)**

Catalogue No.: abx200381

Expression of neural cell adhesion molecules (N-CAM) provides neurons with a means of attaching to and interacting with other cells and the extracellular matrix. Alternative splicing of N-CAM mRNA results in several N-CAM isoforms. The three major isoforms are referred to as 180 kD, 140 kD, and 120 kD. Individual isoforms undergo various post-translational modifications, including the addition of polysialic acid residues to embryonic forms. The highly polysialylated forms of N-CAM present in embryos and neonates are lost during maturation and replaced by less-polysialic acid-laden mature forms of N-CAM.

The CD56 antigen is a 175-185kDa isoform of the neural cell adhesion molecule (NCAM). It is expressed by lymphocytes mediating non-MHC restricted cytotoxicity and is present on some neural tissues and tumors. It is expressed on natural killer (NK) Cells and a subpopulation of T lymphocytes. NK cells make up approximately 10-25% of peripheral blood lymphocytes.

**Target:** CD56**Reactivity:** Human, Cow, Pig**Host:** Mouse**Clonality:** Monoclonal**Tested Applications:** FCM**Recommended dilutions:** FCM: 20 µl/1 million cells. Optimal dilutions/concentrations should be determined by the end user.**Immunogen:** KG-1 human acute myelogenous leukemia cell line.**Purification:** Purified by Protein G Affinity Chromatography**Form:** Liquid**Isotype:** IgG<sub>1</sub>**Conjugation:** APC**Storage:** Store in the dark at 2-8 °C.**Molecular Weight:** 175-185 kDa**Swiss Prot:** [P31358](#)**GeneID:** [4684](#)

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**Concentration:** 0.025 mg/ml

**Buffer:** The reagent is provided in aqueous buffered solution containing protein stabilizer, and 0.09% sodium Azide

**Note:** This product is for research use only.