

Product datasheet for **BM2401PS**

CD56 (NCAM1) Mouse Monoclonal Antibody [Clone ID: MEM-188]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-188
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Western Blot. Flow Cytometry: 3 µg/ml. Immunoprecipitation. Immunohistochemistry on Paraffin Sections: 1/50. <i>Pretreatment:</i> Heat retrieval (microwave oven) in citrate buffer standard ABC visualization. <i>Positive Tissue:</i> Positive membrane-specific reaction in adjacent peripheral nerve Staining of paraprostatic autonomic ganglion. <i>Staining technique:</i> Standard ABC technique (DAB+).
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	KG-1 Human acute myelogenous leukaemia cell line
Specificity:	The antibody reacts with a 180 kDa isoform of CD56 (NCAM) expressed in leukocytes. It has been suggested that the antibody MEM-188 could react with Rhesus Monkey lymphocytes. Reactivity with other NCAM isoforms has not been tested.
Formulation:	PBS, pH 7.4 with 15 mM Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.



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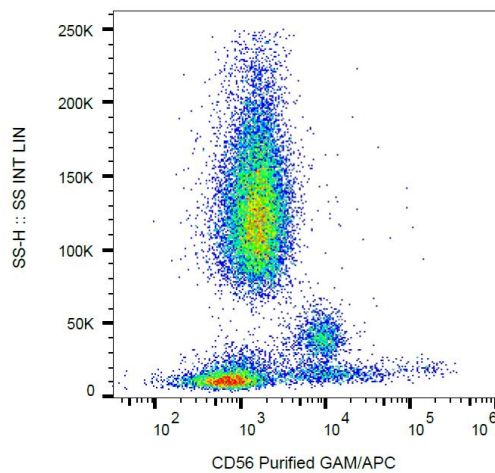
Gene Name: neural cell adhesion molecule 1

Database Link: [Entrez Gene 4684 Human P13591](#)

Background: CD56 (NCAM, neural cell adhesion molecule) is a transmembrane glycoprotein of immunoglobulin family serving as adhesive molecule which is ubiquitously expressed in nervous system, usually as 120 kDa, 140 kDa or 180 kDa isoform, and it is also found on T cells and NK cells. Polysialic modification results in reduction of CD56-mediated cell adhesion and is involved in cell migration, axonal growth, pathfinding and synaptic plasticity. CD56 is a widely used neuroendocrine marker with a high sensitivity for neuroendocrine tumours and ovarian granulosa cell tumours.

Synonyms: NCAM-1, N-CAM-1, NCAM

Product images:



Surface staining of human peripheral blood lymphocytes with anti-CD56 (MEM-188) purified; GAM-APC.