9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-1497: Monoclonal Antibody to CD56 / NCAM1 (Neuronal Cell Marker)(Clone : SPM128)

Clonality :	Monoclonal
Clone Name :	SPM128
Application :	IHC,FACS,IF
Reactivity :	Human
Gene :	NCAM1
Gene ID :	4684
Uniprot ID :	P13591
Format :	Purified
Alternative Name :	NCAM1,NCAM
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Membrane prepaRation of a small cell lung carcinoma

Description

This MAb reacts with an extracellular domain (close to transmembrane) of CD56/NCAM. Three isoforms of neural cell adhesion molecule (NCAM) are produced by differential splicing of the RNA transcript from a single gene. The 135kDa isoform is the basic molecule, which is glycosylated or sialylated to produce the mature species. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

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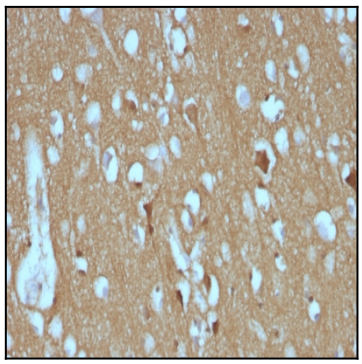
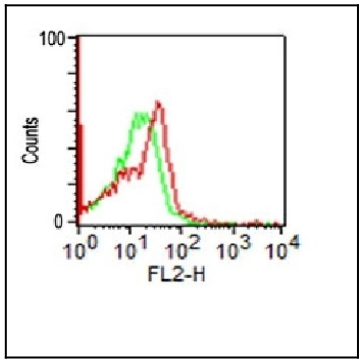


Formalin-fixed, paraffin-embedded human Cerebellum stained with CD56 Monoclonal Antibody (SPM128)



FACS analysis of CD56 on human Monocytes using CD56 Monoclonal Antibody (SPM128)