

Anti-CD56 / NCAM1 (Neuronal Cell Marker) Monoclonal Antibody

Catalog Number: M00184

About NCAM1

This monoclonal antibody 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.

Overview

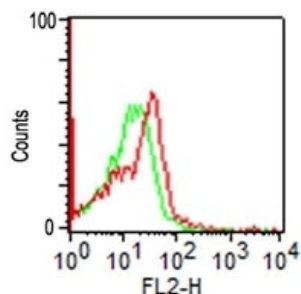
Product Name	Anti-CD56 / NCAM1 (Neuronal Cell Marker) Monoclonal Antibody
Reactive Species	Human, Rat, Zebrafish
Description	Boster Bio Anti-CD56 / NCAM1 (Neuronal Cell Marker) Monoclonal Antibody (Catalog # M00184). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human, Rat, Zebrafish.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: SPM128
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P13591; P13592

Technical Details

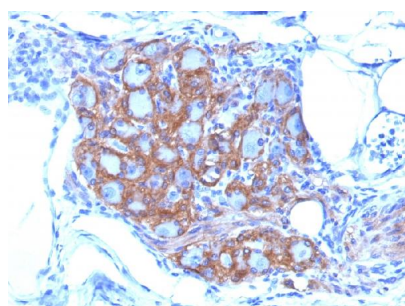
Immunogen	Membrane preparation of a small cell lung carcinoma
Predicted Reactive Species	Chimpanzee
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml

Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry (1-2ug/million cells)</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>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&degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

Anti-CD56 / NCAM1 (Neuronal Cell Marker) Monoclonal Antibody (M00184) Images



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



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

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