Datasheet for ABIN3023927

anti-CD56 antibody (Extracellular Domain)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	CD56 (NCAM1)
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Rat, Zebrafish (Danio rerio)
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD56 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A membrane preparation of small cell lung carcinoma was used as the immunogen for this CD56 antibody. This mAb reacts with an extracellular domain (close to transmembrane) of CD56/NCAM.
Clone:	SPM128
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	CD56 (NCAM1)
Alternative Name:	CD56 (NCAM1 Products)

Target Details

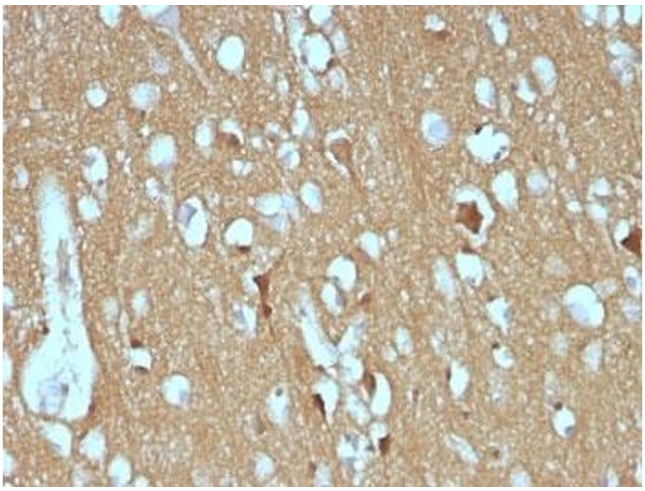
Background:	Three isoforms of neural cell adhesion molecule (NCAM) are produced by differential splicing of the RNA transcript from a single gene. The 135 kDa isoform is the basic molecule, which is glycosylated or sialylated to produce the mature species. Anti-CD56 recognizes two proteins of the neural 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.

Application Details

Application Notes:	The optimal dilution of the CD56 antibody for each application should be determined by the researcher. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1),Prediluted format: incubate for 30 min at RT (2)
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the CD56 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)
Image 1. Formalin-fixed, paraffin-embedded human cerebellum stained with CD56 antibody (SPM128)

