Datasheet for ABIN3026427

anti-CD56 antibody

2 Images

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Overview

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

Product Details

Immunogen:	A membrane preparation of a small cell lung carcinoma was used as the immunogen for this NCAM / CD56 antibody.
Clone:	123C3-D5
Isotype:	IgG1 kappa
Characteristics:	This antibody reacts with an extracellular domain (close to transmembrane) of NCAM (Neural cell adhesion molecule), also called CD56. Three isoforms of NCAM / CD56 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. NCAM antibody 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). NCAM antibody plays

Product Details

	an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.
Purification:	Protein G affinity chromatography

Target Details

Target:	CD56 (NCAM1)
Alternative Name:	NCAM (NCAM1 Products)
Background:	This antibody reacts with an extracellular domain (close to transmembrane) of NCAM (Neural cell adhesion molecule), also called CD56. Three isoforms of NCAM / CD56 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. NCAM antibody 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). NCAM antibody plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.
Gene ID:	4684

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance. 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.\. Western blot: 0.5-1 µg/mL, FACS: 0.5-1 µg/million cells,IF: 1-2 µg/mL,IHC (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

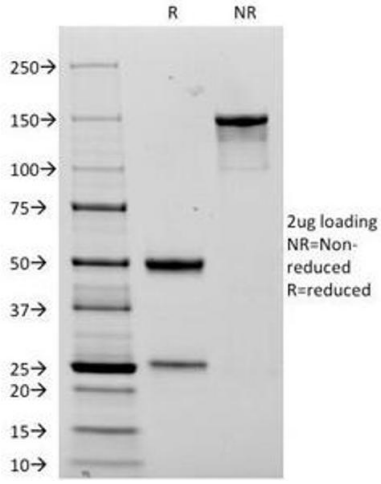
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free

Handling

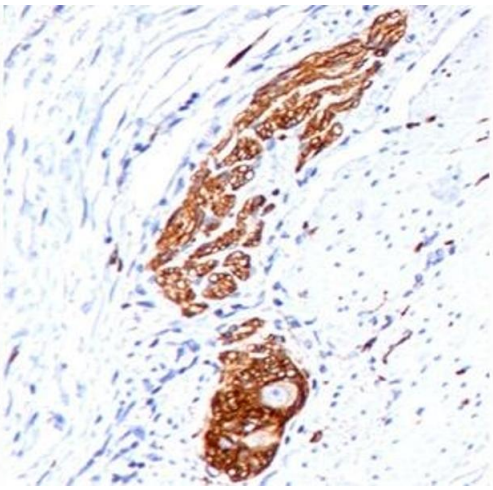
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the NCAM antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified, BSA-Free NCAM Antibody (clone 123C3.D5). Confirmation of Integrity and Purity of the Antibody.



Immunohistochemistry

Image 2. IHC testing of human colon ganglion stained with NCAM antibody (123C3.D5)