Datasheet for ABIN2689341

anti-CD56 antibody

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Overview

Quantity:	0.2 mg
Target:	CD56 (NCAM1)
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Functional Studies (Func), Immunoaffinity Chromatography (IAC)

Product Details

Brand:	BD Pharmingen™
Clone:	MY31
Isotype:	IgG1 kappa
Characteristics:	Reacts with the neural cell adhesion molecule (N-CAM), CD56 antigen, 175-180 kD, a glycoprotein on natural killer (NK) lymphocytes, a subset of T lymphocytes and interleukin-2 (IL-2)-activated thymocytes, as well as neural and degenerating or diseased muscle tissue. Anti-N-CAM monoclonal antibody (clone MY31) immunoprecipitates NCAM from neuroblastoma, KG-1a.5, N-CAM-trasfected mouse L cells, and human adenocarcinoma cells. BD Pharmingen™ Purified Mouse Anti-human CD56 - Purified - Clone MY31 - Isotype Mouse IgG1, κ - 0.2 mg
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	CD56 (NCAM1)
Alternative Name:	CD56 (NCAM1 Products)
Background:	Synonyms: N-CAM

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.

Publications

Product cited in:

Doherty, Ashton, Moore, Walsh: "Morphoregulatory activities of NCAM and N-cadherin can be accounted for by G protein-dependent activation of L- and N-type neuronal Ca2+ channels." in: **Cell**, Vol. 67, Issue 1, pp. 21-33, (1991) (PubMed).

Jin, Hemperly, Lloyd: "Expression of neural cell adhesion molecule in normal and neoplastic human neuroendocrine tissues." in: **The American journal of pathology**, Vol. 138, Issue 4, pp. 961-9, (1991) (PubMed).

Lanier, Chang, Azuma, Ruitenberg, Hemperly, Phillips: "Molecular and functional analysis of human natural killer cell-associated neural cell adhesion molecule (N-CAM/CD56)." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 146, Issue 12, pp. 4421-6, (1991) (PubMed).

Lanier, Testi, Bindl, Phillips: "Identity of Leu-19 (CD56) leukocyte differentiation antigen and neural cell adhesion molecule." in: **The Journal of experimental medicine**, Vol. 169, Issue 6, pp.

2233-8, (1989) (PubMed).

Schubert, Zimmermann, Cramer, Starzinski-Powitz: "Lymphocyte antigen Leu-19 as a molecular marker of regeneration in human skeletal muscle." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 86, Issue 1, pp. 307-11, (1989) (PubMed).

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