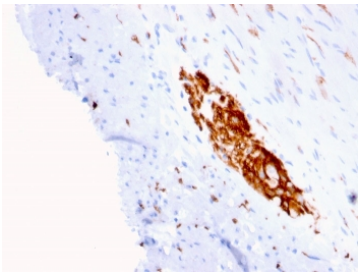
NCAM1 Antibody ERIC-1 / CD56 Antibody [clone ERIC-1] (V7973)

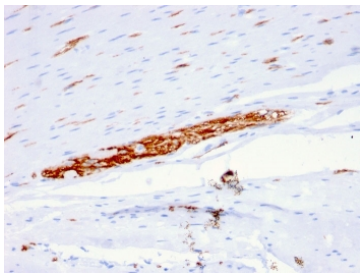
Catalog No.	Formulation	Size
V7973-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7973-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7973SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

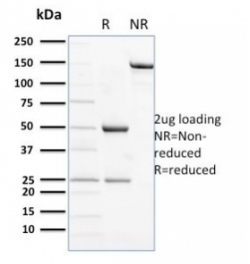
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ERIC-1
Purity	Protein G affinity chromatography
UniProt	P13591
Localization	Cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This NCAM1 Antibody ERIC-1 / CD56 Antibody is available for research use only.



NCAM1 Antibody ERIC-1 Human Colon IHC. Immunohistochemical staining of FFPE human colon tissue with NCAM1 Antibody clone ERIC-1 demonstrates localized CD56 expression. Heat-induced epitope retrieval was performed by boiling sections in pH9 10 mM Tris with 1 mM EDTA for 20 minutes followed by cooling. Strong brown staining is observed in a discrete cellular structure within the colon tissue, with hematoxylin counterstaining in blue. This NCAM1 Antibody, also called CD56 Antibody, demonstrates the staining characteristics of clone ERIC-1 in human colon tissue.



NCAM1 Antibody ERIC-1 Human Colon Tissue IHC. Immunohistochemical staining of FFPE human colon tissue with NCAM1 Antibody clone ERIC-1 demonstrates localized CD56 expression. Heat-induced epitope retrieval was performed by boiling sections in pH9 10 mM Tris with 1 mM EDTA for 20 minutes followed by cooling. Strong brown staining is observed in a discrete region of the colon tissue, with hematoxylin counterstaining in blue. This NCAM1 Antibody, also called CD56 Antibody, demonstrates the staining characteristics of clone ERIC-1 in human colon tissue.



SDS-PAGE analysis of purified, BSA-free NCAM antibody (clone ERIC-1) as confirmation of integrity and purity.

Description

NCAM1 Antibody ERIC-1 / CD56 Antibody is a mouse monoclonal antibody recognizing human neural cell adhesion molecule 1 (NCAM1), commonly known as CD56. NCAM1 is a cell-surface glycoprotein belonging to the immunoglobulin superfamily and participates in cell-cell adhesion, cellular recognition, migration, and signaling. The protein is particularly associated with neural tissues, where it contributes to neuronal development, neurite outgrowth, synaptic organization, and neural plasticity. NCAM1 occurs in several major isoforms and can undergo extensive post-translational modification, including polysialylation, which influences its adhesive and signaling properties.

Outside the nervous system, CD56 is an important marker of natural killer cells and subsets of T lymphocytes. Its expression has made NCAM1 Antibody reagents useful for research into CD56-positive immune cell populations and their functions. NCAM1 is also expressed in a variety of neuroectodermal tissues and tumors. Clone ERIC-1 has a long history of use in studies involving neural and neuroectodermal tissues, providing an established reagent for investigating the distribution and biological roles of NCAM1/CD56.

NCAM1 expression is widely studied in cancer biology and pathology, particularly in tumors exhibiting neural or neuroendocrine differentiation. CD56 expression is associated with several neuroectodermal and neuroendocrine malignancies, while changes in NCAM1 expression and function may influence cellular adhesion, migration, signaling, and interactions within the tumor microenvironment. Clone ERIC-1 has been used in numerous published studies, providing this NCAM1 Antibody with an extensive research history for investigations involving CD56 expression, neural biology, immune cells, and cancer.

Clone ERIC-1 is a mouse monoclonal antibody directed against human NCAM1/CD56. Its extensive published research history makes it a well-established clone for researchers investigating NCAM1 expression and CD56-associated biology. This NCAM1 Antibody supports research into neural cell adhesion, neuronal development, immune cell characterization, neuroectodermal biology, and NCAM1-expressing cancers.

For additional information on NCAM1/CD56 and its roles in neural cell adhesion, neuronal development, and cell signaling, see our NCAM1 Antibody / Neural Cell Adhesion Molecule 1 Antibody page.

Application Notes

Optimal dilution of the NCAM1 Antibody ERIC-1 / CD56 Antibody should be determined by the researcher.

Immunogen

A recombinant human protein was used as the immunogen for this NCAM1 Antibody ERIC-1. This MAb reacts with an extracellular domain (close to transmembrane) of CD56/NCAM.

Storage

Store the NCAM1 Antibody ERIC-1 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

NCAM1 antibody, CD56 antibody, Neural Cell Adhesion Molecule 1 antibody, NCAM antibody, N-CAM antibody, CD56 antigen antibody

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