

Datasheet for ABIN6940175

Recombinant anti-CD56 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD56 (NCAM1)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD56 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human NCAM1 (CD56) protein
Clone:	NCAM1-2217R
Isotype:	IgG
Specificity:	This MAb 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 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

Product Details

nodal and nasal NK/T-cell lymphomas.

Purification: Purified by Protein A/G

Target Details

Target: CD56 (NCAM1)

Alternative Name: NCAM1 ([NCAM1 Products](#))

Molecular Weight: 180, 145 and 125kDa

Gene ID: 4684

UniProt: [P13591](#), [P13592](#)

Application Details

Application Notes: Positive Control: Colon or Small Intestine.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(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)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

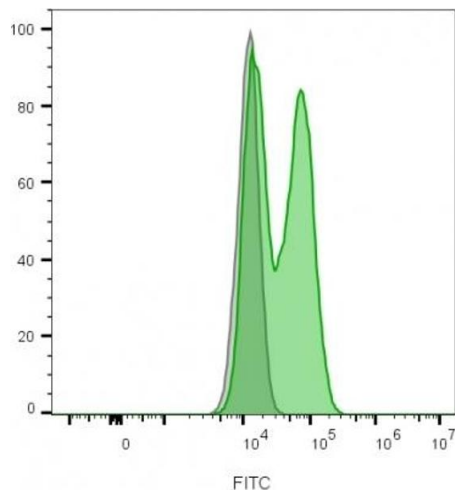
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

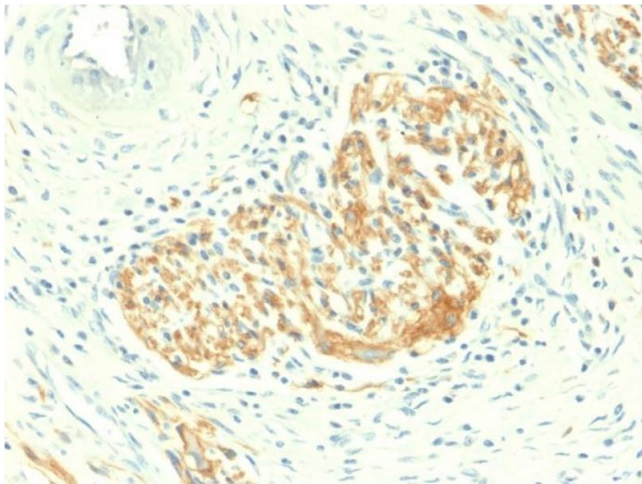
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



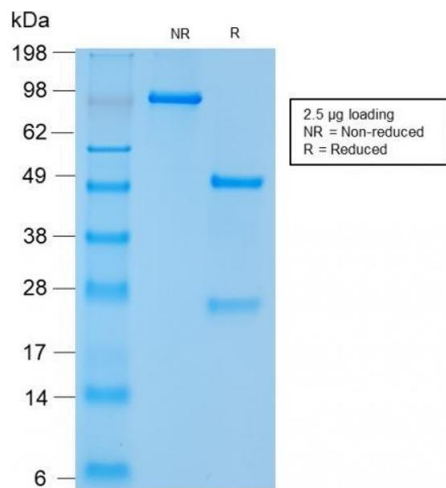
Flow Cytometry

Image 1. Flow cytometry analysis of lymphocyte-gated PBMCs unstained (gray) or stained with CF488A-labeled CD56 monoclonal antibody (NCAM1/2217R) (green).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD56 Rabbit Recombinant Monoclonal Antibody (NCAM1/2217R).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified CD56 Rabbit Recombinant Monoclonal Antibody (NCAM1/2217R). Confirmation of Integrity and Purity of Antibody.