Anti-NCAM1 (CD56) IgG Antibody, Biotin-labeled

Catalog: 101112

Lot: 210624

Product Information

Description:	This anti-NCAM1 (CD56) IgG antibody is a purified recombinant antibody, which was enzymatically biotinylated using Avi-tag™ technology. This antibody has been tested for specific binding affinity to purified human NCAM1 (aka CD56) protein (BPS Bioscience #101043).
Concentration:	0.55 mg/ml
Species:	Human
Formulated In:	8mM phosphate pH 7.4, 110mM NaCl, 2.2mM KCl, and 20% glycerol
Expression System:	Heavy chain (HC) and Light chain (LC) co-expressed in HEK293
Purification:	Protein A affinity purification from HEK293 cells
Format:	Aqueous buffer solution
Stability:	At least 12 months at -80°C. Avoid freeze/thaw cycles.
Storage:	-80°C
MW:	150 kDa
Purity:	≥99%

Assay Conditions:

Experimental design and assay protocol for measuring anti-CD56/NCAM1 specific binding to CD56/NCAM1 antigen in ELISA assay:

1. *Purified human His-tagged NCAM1 (CD56) (BPS Bioscience #101043) was bound to a clear 96-well nickel plate overnight at 4°C (1 µg/ml in PBS).*
2. *Wells were washed with BPS Immuno Buffer 1 (BPS Bioscience #79311) three times and tapped upside down on paper towels or absorbent pads.*
3. *Each well was blocked with 100 ul of blocking buffer (BPS Bioscience #79728) for 1 hour at room temperature (slow shaking).*
4. *Serial dilutions of the antibody (600 nM to 0nM in 3-fold dilutions) were incubated in each well for 1 hour at room temperature (slow shaking).*
5. *Next, wells were washed three times and incubated with HRP-Streptavidin (1:1000, BPS Bioscience #79742) for 30 minutes at room temp (slow shaking)*
6. *Wells were washed again three times with BPS Immuno Buffer 1 and tapped to dry.*
7. *For detection, the wells were incubated with Colorimetric HRP Substrate (BPS Bioscience #79651) for 1-10 minutes until a blue color developed in the positive control.*
8. *The reaction was then immediately quenched with an equal volume of 1N HCl and absorbance was measured at 450 nm.*

Applications:

This product is for research use only. It is not suitable for human diagnostic or therapeutic use. The anti-NCAM1 (CD56) IgG format antibody can be used for flow cytometry and immunofluorescence microscopy.

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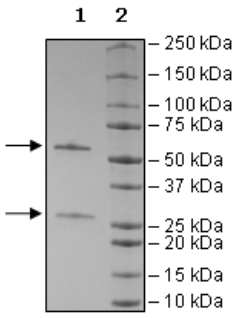
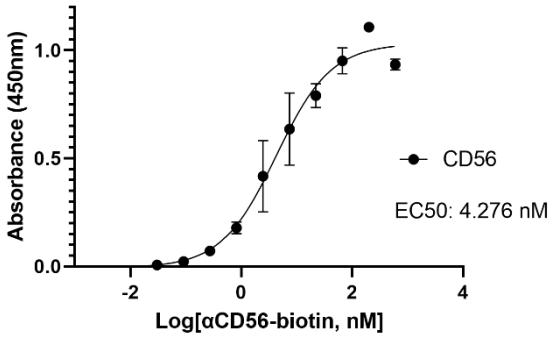
Quality Control Data

4-20% SDS-Page Coomassie Staining



Binding Assay



Purified anti-NCAM1 (CD56) biotin-labeled antibody was tested using increasing amounts of His-tagged NCAM1 (CD56) in a colorimetric assay, as described in Assay Conditions.

Related Products:

Products	*Catalog #*	*Size*
NCAM1, Avi-His-Tag, HiP™	101043	Multiple Sizes
NCAM1, Avi-His-Tag, Biotin-Labeled	101044	Multiple Sizes