Mouse anti-Human NDN Monoclonal Antibody | anti-NDN antibody

NDN (Necdin) (FITC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25171	**Mouse**	**Human**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

NDN; Monoclonal Antibody; NDN (Necdin) (FITC); anti-NDN antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1B3
Specificity	Recognizes human NDN.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-NDN antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa222-322 from human NDN (NP_002478) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	WKKHSTFGDVRKLITEEFVQMNYLKYQRVPYVEPPEYEFFWGSRASREITKMQIMEFLARVFKKDPQAWPSRYREALEEARALREANPTAHYPRSSVSE
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES

WB (Western Blot)
Western blot analysis of NDN over-expressed 293 cell line, cotransfected with NDN Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with NDN monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged NDN is ~0.03ng/ml as a capture antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to NDN on HeLa cell. [antibody concentration 10ug/ml]

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to NDN on formalin-fixed paraffin-embedded human colon. [antibody concentration 1.5ug/ml]

WB (Western Blot)
Western Blot analysis of NDN expression in transfected 293T cell line by NDN monoclonal antibody. Lane 1: NDN transfected lysate (36.1kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
NDN monoclonal antibody Western Blot analysis of NDN expression in HL-60.

ADDITIONAL INFORMATION

Product Categories/Family for anti-NDN antibody	Antibodies; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505349
NCBI GeneID	4692
NCBI Accession #	NP_002478
NCBI GenBank Nucleotide #	NM_002487
UniProt Accession #	Q99608
Molecular Weight	36kDa
NCBI Official Full Name	necdin
NCBI Official Synonym Full Names	necdin, MAGE family member
NCBI Official Symbol	NDN
NCBI Official Synonym Symbols	PWCR; HsT16328
NCBI Protein Information	necdin
UniProt Protein Name	Necdin
UniProt Gene Name	**NDN**
UniProt Entry Name	NECD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/ndn-antibody-clone-1b3-immunofluorescence-immunohistochemistry-western-blot-elisa/25171