

Rat anti-Mouse CD226 Monoclonal Antibody | anti-CD226 antibody

Anti-CD226 [10E5]

CATALOG # AAA72126	HOST Rat	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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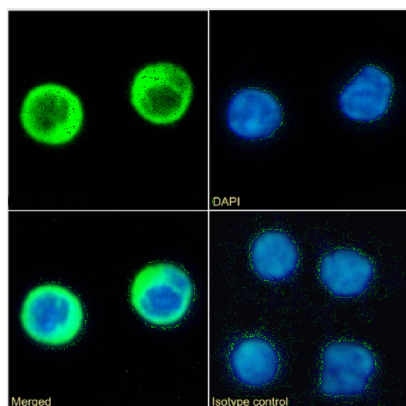
PRODUCT SYNONYMS

CD226; Monoclonal Antibody; Anti-CD226 [10E5]; DNAM-1; PTA1; PTA-1; platelet and T cell activation antigen 1; TLISA1; anti-CD226 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b, kappa
Clone Number	1000000
Specificity	This antibody is specific for murine CD226.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD226 antibody	FCM/FACS (Flow Cytometry)
PMID	16034094
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of fixed mouse splenocytes with anti- CD226 antibody 10E5. Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix coverslips stained with the chimeric rabbit IgG version of 10E5 at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-CD266 antibody 10E5 Mouse spleen tissue lysates (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of 10E5 at 2ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CD226 antibody	Recombinant monoclonal antibody to CD226. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 10E5. This antibody was raised by immunising Lewis and Lou/M rats with the murine Th1 cell clone AE7 and Th1 cell lines derived from 5B6 and DO11.10 TCR transgenic mice, before screening for reactivity with Th1 clones and a lack of reactivity to Th2/Th0 cell lines.
Product Categories/Family for anti-CD226 antibody	T cells; NK cells
References	Dardalhon et al. CD226 is specifically expressed on the surface of Th1 cells and regulates their expansion and effector functions. J Immunol. 2005 Aug 1;175(3):1558-65. Note on publication: Describes the original generation of this antibody, and its characterisation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	85540456
NCBI GeneID	225825
NCBI Accession #	NP_848802.2
NCBI GenBank Nucleotide #	NM_178687.2
UniProt Accession #	Q8K4F0
Molecular Weight	38,063 Da
NCBI Official Full Name	CD226 antigen isoform a
NCBI Official Synonym Full Names	CD226 antigen
NCBI Official Symbol	Cd226
NCBI Official Synonym Symbols	Pta1; DNAM1; DNAM-1; TLISA1; BC051526
NCBI Protein Information	CD226 antigen; platelet and T cell activation antigen 1; platelet and T-cell activation antigen 1
UniProt Protein Name	CD226 antigen
UniProt Gene Name	Cd226
UniProt Synonym Gene Names	Pta1
UniProt Entry Name	CD226_MOUSE

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/cd226-antibody-clone-1000000-flow-cytometry-elisa/72126>