

Rat anti-Mouse CD157 Monoclonal Antibody | anti-CD157 antibody

Anti-Mouse CD157, Purified (Clone KT157) (Rat IgG2c)

CATALOG # AAA74137	HOST Rat	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD157; Monoclonal Antibody; Anti-Mouse CD157; Purified (Clone KT157) (Rat IgG2c); Purified Anti-Mouse CD157 Receptor Monoclonal Antibody; anti-CD157 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2c (Rat IgG 2b)
Clone Number	KT157
Specificity	CD157 (Mouse CD157)
Purity/Purification	Purified from ascitic fluid via Protein G Chromatography
Form/Format	Purified IgG buffered in PBS and 0.02% NaN ₃
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	298
Applicable Applications for anti-CD157 antibody	FCM/FACS (Flow Cytometry)
Hybridoma Production	Immunogen: T cell hybridoma J774 Donor: Mouse spleen cells Fusion Partner: NSO Myeloma Partner
Isotype Control	CLCR2C00
Note	For maximum recovery of contents, spin down tube before use.
Preparation and Storage	For all formats, store at 4°C. For long term storage (Ascites, Purified, Biotin, FITC), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-CD157 antibody	anti-mouse CD157 monoclonal antibody detects the mouse CD157 receptor. CD157 also known as BP-3 Alloantigen or Bone marrow STromal cell antigen-1 (BST-1), is a 38-48 KDa differentially glycosylated glycosylphosphatidylinositol (GPI) anchored cell surface glycoprotein. CD157, like CD38 belongs to a family of genetically related pleiotropic ectoenzymes. The CD157 antigen is expressed on thymocytes, bone marrow B cells, neutrophils, macrophages, stromal cells, intestinal epithelial cells, the collecting tubules of the kidney and reticular cells in lymph nodes. The CD157 receptor has ADP ribosyl cyclase and cyclic ADP ribose hydrolase biochemical activities. Studies show CD157 is a receptor that induces reorganization of the cytoskeleton and significant changes in cell shape. CD157 is also a mediator of neutrophil adhesion and migration. Signals mediated by CD157 act through modulation of cytosolic [Ca²⁺]. CD157 is also involved in cellular adhesion to the extracellular matrix. This anti-body has been reported to work in Flow Cytometry.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	525507063
NCBI GeneID	101027297
NCBI Accession #	NP_001267575.1
NCBI GenBank Nucleotide #	NM_001280646.1
NCBI Official Full Name	CD157 protein
NCBI Official Symbol	cd157
NCBI Protein Information	CD157 protein

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://www.aaabiotech.com/monoclonal/cd157-antibody-clone-kt157-flow-cytometry-elisa/74137>