

Rat CD160 Monoclonal Antibody | anti-CD160 antibody

CD160 antibody (PE)

CATALOG # AAA106631	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
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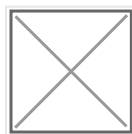
PRODUCT SYNONYMS

CD160; Monoclonal Antibody; CD160 antibody (PE); Monoclonal CD160; Anti-CD160; NK1; CD-160; CD 160; NK28; BY55; anti-CD160 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	CNX46-3
Specificity	Human
Form/Format	Supplied in aqueous buffer with 0.09% sodium azide, may contain carrier protein/stabilizer.
Concentration	200 ug/ml (varies by lot)
Sequence Length	181
Applicable Applications for anti-CD160 antibody	FCM/FACS (Flow Cytometry)
Biological Significance	CD160 is a glycosylphosphatidylinositol -anchored Ig-like glycoprotein first identified on human lymphocytes with the monoclonal antibody BY55. In mice, CD160 is expressed on almost all iIELs, NKT cells, most TCRgamma delta T cells, few NK cells and a minor subset of CD8+ T cells. Murine CD160 has been shown to bind to a wide range of classical and non classical MHC class I molecules and regulate NK cell activation. In vitro, CD3 activation of murine CD8+ T cells increases the expression of CD160 and induces the release of soluble CD160. In human, CD160 mAb cross-linking triggers TNF alpha, IFNgamma and IL-6 cytokine production by peripheral blood NK cells and inhibits tube formation and induces apoptosis of endothelial cells. In mice, cross-linking of CD160 with the CNX46-3 antibody regulates NK cell activation both positively and negatively, depending on the stimulus.
Tag/Conjugate	PE
Preparation and Storage	Store at 2-8 degree C. Do not freeze. Protect from light.

IMAGES



FCM/FACS (Flow Cytometry)

Staining of C57BL/6 splenocytes with CD3 antibody (FITC), NK1.1 antibody (APC), and 0.5 ug of CD160 antibody (PE). The histogram (right) demonstrates staining of CD160 on NK1.1+CD3- cells (red histogram) and NK1.1+CD3+ cells (black histogram), as gated in the dot plot (left).

ADDITIONAL INFORMATION

Related Product Information for anti-CD160 antibody	Rat monoclonal CD160 antibody (PE)
Product Categories/Family for anti-CD160 antibody	Immunology; Conjugated Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5901910
NCBI GeneID	11126
NCBI Accession #	NP_008984.1
NCBI GenBank Nucleotide #	NM_007053.3
UniProt Accession #	O95971
Molecular Weight	19,810 Da
NCBI Official Full Name	CD160 antigen
NCBI Official Synonym Full Names	CD160 molecule
NCBI Official Symbol	CD160
NCBI Official Synonym Symbols	NK1; BY55; NK28
NCBI Protein Information	CD160 antigen
UniProt Protein Name	CD160 antigen
UniProt Gene Name	CD160
UniProt Synonym Gene Names	BY55
UniProt Entry Name	BY55_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/cd160-antibody-clone-cnx46-3-flow-cytometry-elisa/106631>