

Product datasheet for **TA320237**

Cd160 Rat Monoclonal Antibody [Clone ID: eBioCNX46-3 (CNX46-3)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	eBioCNX46-3 (CNX46-3)
Applications:	FC
Recommended Dilution:	Flow, Functional Assay, IP, WB
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD160 antigen
Database Link:	NP_061237 Entrez Gene 54215 Mouse O88875

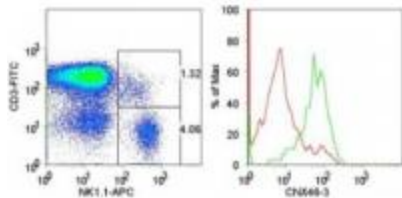
Background: CD160 is a glycosylphosphatidylinositol (GPI)-anchored Ig-like glycoprotein first identified on human lymphocytes with the monoclonal antibody BY55. In mice, CD160 is expressed on almost all (intestinal intraepithelial lymphocytes) iIELs, NKT cells, most TCR $\gamma\delta$ T cells, few NK 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 (sCD160). In human, CD160 mAb cross-linking triggers TNF alpha, IFN gamma 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.



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Synonyms: BY55; FLJ46513; NK1; NK28; OTTHUMP00000015585

Product images:



C57BL/6 splenocytes were stained with 0.5 ug of Anti-Mouse CD160 Purified followed by F(ab')₂ Anti-Rat IgG PE and subsequently with Anti-Mouse CD3e FITC and Anti-Mouse NK1.1 APC demonstrates staining of Anti-Mouse CD160 Purified on NK1.1+CD3⁻ cells (red histogram and NK1.1+CD3⁺ cells (green histogram), as gated in the dot plot (left).