

# CD160 Monoclonal Antibody (eBioCNX46-3 (CNX46-3)), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioCNX46-3 (CNX46-3)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10671017

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	2 Publications

## Product Specific Information

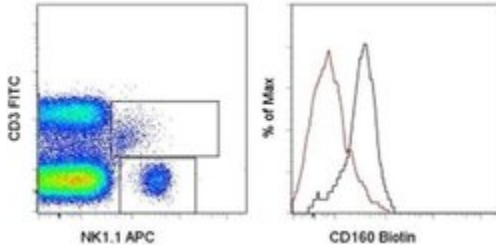
Description: CD160 is a glycosylphosphatidylinositol (GPI)-anchored Ig-like glycoprotein first identified on human lymphocytes with the monoclonal antibody BY55. In mice, CD160 is expressed on almost all (intestinal intraepithelial lymphocytes) iIELs, NKT cells, most TCRgammadelta T cells, few NK cells 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.

Applications Reported: This eBioCNX46-3 (CNX46-3) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioCNX46-3 (CNX46-3) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD160 Monoclonal Antibody (eBioCNX46-3 (CNX46-3)), Biotin, eBioscience™



### CD160 Antibody (13-1601-82) in Flow

C57BL/6 splenocytes were stained with 0.25 µg of Anti-Mouse CD160 biotin followed by Streptavidin PE (Product # 12-4317-87), Anti-Mouse CD3e FITC (Product # 11-0031-82), and Anti-Mouse NK1-1 APC (Product # 17-5941-82). The histogram (right) demonstrates staining of CD160 on NK1-1+CD3<sup>+</sup> cells (red histogram) and NK1-1-CD3<sup>+</sup> cells (black histogram), as gated in the dot plot (left).

## 2 References

### Flow Cytometry (2)

#### Mechanisms of ageing and development

##### Natural killer cell development and maturation in aged mice.

"13-1601 was used in Flow cytometry/Cell sorting to indicate aged mice have reduced NK cells in most peripheral tissues, but not in bone marrow."

Authors: Beli E, Duriancik DM, Clinthorne JF, Lee T, Kim S, Gardner EM

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2014

#### Gastroenterology

##### Liver environment and HCV replication affect human T-cell phenotype and expression of inhibitory receptors.

"Published figure using CD160 monoclonal antibody (Product # 13-1601-82) in Flow Cytometry"

Authors: Kroy DC, Ciuffreda D, Cooperrider JH, Tomlinson M, Hauck GD, Aneja J, Berger C, Wolski D, Carrington M, Wherry EJ, Chung RT, Tanabe KK, Elias N, Freeman GJ, de Kruffy RH, Misdraji J, Kim AY, Lauer GM

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2014

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