

CD160 Monoclonal Antibody (eBioCNX46-3 (CNX46-3)), Functional Grade, eBioscience™

Product Details	
Size	50 µg
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioCNX46-3 (CNX46-3)
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Storage conditions	4° C
RRID	AB_1210683

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Flow Cytometry (Flow)	1 µg/test	4 Publications
Immunoprecipitation (IP)	Assay-Dependent	-
Functional Assay (FN)	Assay-Dependent	-

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, functional assays, immunoprecipitation, and immunoblotting (WB).

Applications Tested: This eBioCNX46-3 (CNX46-3) antibody has been tested by flow cytometric analysis of C57Bl/6 mouse splenocytes. This can be used at less than or equal to 1 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Storage and handling: Use in a sterile environment.

Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/μg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

4 References

Flow Cytometry (4)

<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>Resident T Cells Are Unable To Control Herpes Simplex Virus-1 Activity in the Brain Ependymal Region during Latency.</p> <p>"Published figure using CD160 monoclonal antibody (Product # 16-1601-81) in Flow Cytometry"</p> <p>Authors: Menendez CM,Jinkins JK,Carr DJ</p>	<p>Year 2016</p>
<p>Gastroenterology</p> <p>Liver environment and HCV replication affect human T-cell phenotype and expression of inhibitory receptors.</p> <p>"Published figure using CD160 monoclonal antibody (Product # 16-1601-81) in Flow Cytometry"</p> <p>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</p>	<p>Year 2014</p>

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