

CD210 (IL-10R) Monoclonal Antibody (1B1.3a), Functional Grade, eBioscience™

Product Details	
Size	500 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1
Class	Monoclonal
Type	Antibody
Clone	1B1.3a
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_2573082

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	-	2 Publications
Functional Assay (FN)	Assay-Dependent	2 Publications

Product Specific Information

Description: The 1B1.3A monoclonal antibody reacts with mouse CD210, which is also known as the IL-10 receptor. CD210 is a member of the interferon receptor-like family that is expressed on a variety of hematopoietic cells, including thymocytes, T cells, B cells, NK cells, monocytes, and macrophages. Binding of IL-10 to its receptor initiates JAK/STAT signaling that leads to B cell proliferation and inhibition of macrophage activation.

The 1B1.3A antibody has been reported to have neutralizing activity.

Applications Reported: The 1B1.3A antibody has been reported for use in functional assays.

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.

Flow Cytometry (2)

Brain sciences	Year 2020
Comprehensive Analysis of the Immune and Stromal Compartments of the CNS in EAE Mice Reveal Pathways by Which Chloroquine Suppresses Neuroinflammation.	Species Mouse
<p>"16-2101-85 was used in Flow Cytometry to analyse the CNS of experimental autoimmune encephalomyelitis mice to identify and characterize the cells that are affected by chloroquine."</p> <p>Authors: Thome R,Boehm A,Ishikawa LLW,Casella G,Munhoz J,Ciric B,Zhang GX,Rostami A</p>	
Immunity	Year 2011
Signaling by the phosphatase MKP-1 in dendritic cells imprints distinct effector and regulatory T cell fates.	Species Mouse
<p>"16-2101 was used in Flow cytometry/Cell sorting to identify a regulatory circuit linking MKP-1 signaling in DCs, production of polarizing cytokines, and integration of DC-derived signals in responding T cells."</p> <p>Authors: Huang G,Wang Y,Shi LZ,Kanneganti TD,Chi H</p>	

Functional Assay (2)

Scientific reports	Year 2015
IL-10-producing CD4(+) T cells negatively regulate fucosylation of epithelial cells in the gut.	Species Mouse
<p>"16-2101-85 was used in Functional assay to study the contribution of IL-10 producing CD4+ T cells to the maintenance of epithelial cell function by regulating fucosylation.."</p> <p>Authors: Goto Y,Lamichhane A,Kamioka M,Sato S,Honda K,Kunisawa J,Kiyono H</p>	
Journal of leukocyte biology	Year 2013
IL-4 induces a suppressive IL-10-producing CD8+ T cell population via a Cdkn2a-dependent mechanism.	Species Mouse
<p>"16-2101 was used in Functional assays to define a population of IL-10-producing CD8(+) T cells that are induced by IL-4."</p> <p>Authors: Zhao Y,Zhao H,Sun Y,Hao J,Qi X,Zhou X,Wu Z,Wang P,Kaech SM,Weaver CT,Flavell RA,Zhao L,Yao Z,Yin Z</p>	

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