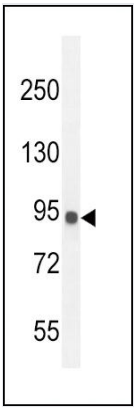
IL12RB2 Antibody – Rabbit Polyclonal

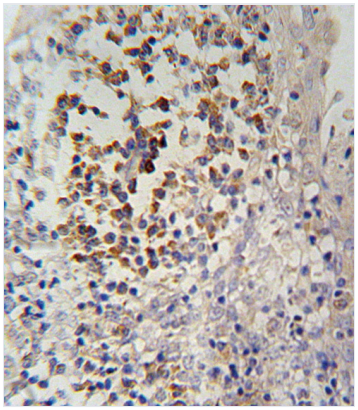
PRODUCT OVERVIEW

Product Name	IL12RB2, Polyclonal Antibody
Full Product Name	IL12RB2, CT (IL12RB2, Interleukin-12 receptor subunit beta-2) (PE)
Product Gene Name	anti-IL12RB2 antibody
Product Synonym Names	IL12RB2; Interleukin-12 receptor subunit beta-2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human IL12RB2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	75 kDa (predicted detection band MW)
OMIM	601642
3D Structure	ModBase 3D Structure for Q99665
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 756-783 in the C-terminal region of human IL12RB2 (Q99665).
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-IL12RB2 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL12RB2 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-IL12RB2 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-IL12RB2 antibody	The protein encoded by this gene is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. The coexpression of this and IL12RB1 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene is found to be associated with a number of infectious diseases, such as Crohn's disease and leprosy, which is thought to contribute to the inflammatory response and host defense.

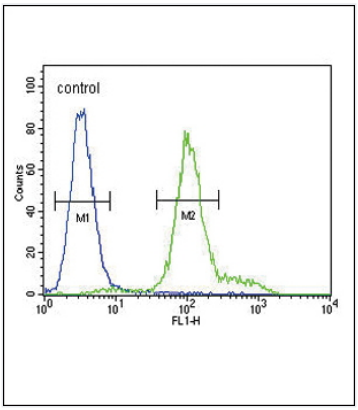
Product References and Citations for anti-IL12RB2 antibody	1. Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010). 2. Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). 3. Liu, X., et al. Nat. Genet. 42(8):658-660(2010). 4. Mizuki, N., et al. Nat. Genet. 42(8):703-706(2010). 5. Remmers, E.F., et al. Nat. Genet. 42(8):698-702(2010).
Other Notes	Small volumes of anti-IL12RB2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL12RB2 purchase	MBS6309881 is an antibody targeting IL12RB2. Also known as IL12RB2, CT (IL12RB2, Interleukin-12 receptor subunit beta-2) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IL12RB2 antibody
WesternBlot analysis in MDA-MB435 cell line lysates (35ug/lane) usingMBS6010512. This demonstrates that MBS6010512 detected the IL12RB2 protein (arrow).



Immunohistochemistry (IHC) of anti-IL12RB2 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsils tissue using MBS6010512 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6010512 for immunohistochemistry.



Flow Cytometry (FC/FACS) of anti-IL12RB2 antibody
Flow Cytometric analysis of MDA-MB435 cells (right histogram) using MBS6010512 compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL12RB2. It may not necessarily be applicable to this product.

NCBI GI #	4504643
NCBI GeneID	3595
NCBI Accession #	NP_001550.1
UniProt Primary Accession #	Q99665
UniProt Secondary Accession #	Q2M3V3; B1AN98; B7ZKL9; F5H7L6
UniProt Related Accession #	Q99665
GenBank Nucleotide #	NM_001559.2

NCBI Official Full Name	interleukin-12 receptor subunit beta-2 isoform a
NCBI Official Synonym Full Names	interleukin 12 receptor, beta 2
NCBI Official Symbol	IL12RB2
UniProt Protein Name	Interleukin-12 receptor subunit beta-2
Protein Family	Interleukin-12 receptor
UniProt Gene Name	IL12RB2
UniProt Synonym Gene Names	IL-12 receptor subunit beta-2; IL-12R subunit beta-2; IL-12R-beta-2; IL-12RB2
UniProt Entry Name	I12R2_HUMAN
NCBI Protein Information	interleukin-12 receptor subunit beta-2
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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