IL-10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL-10, Polyclonal Antibody
Full Product Name	IL-10 (Cytokine synthesis inhibitory factor) (MaxLight 405)
Product Gene Name	anti-IL-10 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with MaxLight405.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes rat IL-10. No crossreactivity with other proteins.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	20,426 Da
3D Structure	ModBase 3D Structure for P29456
Immunogen	E. coli-derived rat IL-10 recombinant protein (Position: S19-N178).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-IL-10 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL-10 antibody	FLISA, Western Blot (WB), Immunohistochemistry (IHC) Paraffin
Application Notes for anti-IL-10 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IL-10 antibody	Interleukin-10 (IL-10 or IL10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans IL-10 is encoded by the IL10 gene. It is capable of inhibiting synthesis of pro-inflammatory cytokines like IFN-gamma, IL-2, IL-3, TNFalpha and GM-CSF made by cells such as macrophages and regulatory T-cells.IL-10 also displays potent abilities to suppress the antigen presentation capacity of antigen presenting cells. Kim et al. (1992) showed that the mouse Il 10 gene contains 5 exons and spans about 5.2 kb of genomic DNA. Eskdale et al. (1997) mapped the IL10 gene to the junction between 1q31 and 1q32.
Product References and Citations for anti-IL-10 antibody	1. Eskdale J, Kube D, Tesch H, Gallagher G (1997). "Mapping of the human IL10 gene and further characterization of the 5' flanking sequence".
Other Notes	Small volumes of anti-IL-10 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 IL-10 purchase	MBS6404429 is an antibody targeting IL-10. Also known as IL-10 (Cytokine synthesis inhibitory factor) (MaxLight 405). Reactive in Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-10. It may not necessarily be applicable to this product.

NCBI GI #	148747382
NCBI GeneID	25325
NCBI Accession #	NP_036986.2
UniProt Primary Accession #	P29456
UniProt Secondary Accession #	Q63263
UniProt Related Accession #	P29456
GenBank Nucleotide #	NM_012854.2
NCBI Official Full Name	interleukin-10
NCBI Official Synonym Full Names	interleukin 10
NCBI Official Symbol	Il10
NCBI Official Synonym Symbols	IL10X
UniProt Protein Name	Interleukin-10
UniProt Synonym Protein Names	Cytokine synthesis inhibitory factor; CSIF
UniProt Gene Name	Il10
UniProt Synonym Gene Names	Il-10; IL-10; CSIF
UniProt Entry Name	IL10_RAT
NCBI Protein Information	interleukin-10; CSIF; IL-10; cytokine synthesis inhibitory factor
NCBI Summary for IL-10	factor involved in the inhibition of cytokine synthesis [RGD, Feb 2006]
UniProt Comments for IL-10	Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells.
Research Articles on IL-10	**1.** Regulation of IL-10 by chondroitinase ABC promotes a distinct immune response following spinal cord injury
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