IL-10 Antibody – Rat

PRODUCT OVERVIEW

Product Name	IL-10, Antibody
Full Product Name	FITC Anti-Mouse IL-10 Antibody
Product Gene Name	anti-IL-10 antibody
Product Synonym Names	Interleukin-10, IL-10, Cytokine synthesis inhibitory factor, CSIF
Host	Rat
Species Reactivity	Mouse
Form/Format	PBS with 0.05% Proclin300, 1% BSA
Preparation and Storage	Store at 2~8 degree C and protected from prolonged exposure to light. Do not freeze.
Molecular Weight	20,641 Da
3D Structure	ModBase 3D Structure for P18893
Conjugation	FITC
Product Categories/Family for anti-IL-10 antibody	Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-IL-10 antibody	Intracellular Staining for Flow Cytometry (ICFCM)
Related Product Information for anti-IL-10 antibody	MBS4515322 is an antibody targeting IL-10. Also known as FITC Anti-Mouse IL-10 Antibody. Reactive in Mouse. Host: Rat.
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.

ADDITIONAL DETAILS

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

NCBI GI #	6754318
NCBI GeneID	16153
NCBI Accession #	NP_034678.1
UniProt Primary Accession #	P18893
UniProt Secondary Accession #	Q0VBJ1
UniProt Related Accession #	P18893
GenBank Nucleotide #	NM_010548.2
NCBI Official Full Name	interleukin-10
NCBI Official Synonym Full Names	interleukin 10
NCBI Official Symbol	Il10

NCBI Official Synonym Symbols	CSIF; Il-10
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_MOUSE
NCBI Protein Information	interleukin-10; cytokine synthesis inhibitory factor
UniProt Comments for IL-10	IL10: 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. Belongs to the IL-10 family. Protein type: Secreted; Motility/polarity/chemotaxis; Cytokine; Secreted, signal peptide Cellular Component: extracellular space; extracellular region Molecular Function: cytokine activity; interleukin-10 receptor binding Biological Process: negative regulation of chronic inflammatory response to antigenic stimulus; positive regulation of transcription, DNA-dependent; response to glucocorticoid stimulus; positive regulation of JAK-STAT cascade; negative regulation of B cell proliferation; negative regulation of membrane protein ectodomain proteolysis; positive regulation of MHC class II biosynthetic process; response to molecule of bacterial origin; negative regulation of interferon-gamma production; negative regulation of interleukin-6 production; negative regulation of tumor necrosis factor biosynthetic process; inflammatory response; negative regulation of interleukin-12 production; positive regulation of B cell apoptosis; negative regulation of myeloid dendritic cell activation; negative regulation of nitric oxide biosynthetic process; negative regulation of tumor necrosis factor production; negative regulation of cytokine secretion during immune response; regulation of gene expression; negative regulation of inflammatory response; defense response to bacterium; negative regulation of cytokine production; immune response; positive regulation of transcription factor activity; positive regulation of transcription from RNA polymerase II promoter; regulation of sensory perception of pain; receptor biosynthetic process; positive regulation of cytokine secretion; negative regulation of apoptosis
Research Articles on IL-10	**1.** Dystrophin-deficient transgenic mice develop severe cardiac and respiratory dysfunction following genetic ablation of the anti-inflammatory cytokine IL-10.
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