IL5 Antibody – Monoclonal

PRODUCT OVERVIEW

Product Name	IL5, Monoclonal Antibody
Full Product Name	Anti-Human IL5 Antibody (SAA0374), APC
Product Gene Name	anti-IL5 antibody
Product Synonym Names	IL5; B-cell differentiation factor I; IL-5; T-cell replacing factor; TRF; Eosinophil differentiation factor; Interleukin-5
Clonality	Monoclonal
Isotype	IgG4, kappa
Clone Number	SAA0374
Species Reactivity	Human
Form/Format	Liquid; 0.01M PBS, pH 7.4, 0.2% BSA, 0.05% Proclin 300.
Concentration	0.5mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for 12 months. Protect from light. Do not freeze.
Molecular Weight	15,238 Da
OMIM	147850
3D Structure	ModBase 3D Structure for P05113
Conjugation	APC
Host Species	Human
Product Categories/Family for anti-IL5 antibody	Super-Affinity Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IL5 antibody	ELISA (EIA), Flow Cytometry (FC/FACS/FCM)
Related Product Information for anti-IL5 antibody	MBS1582702 is an antibody targeting IL5. Also known as Anti-Human IL5 Antibody (SAA0374), APC. Reactive in Human.
Other Notes	Small volumes of anti-IL5 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 IL5. It may not necessarily be applicable to this product.

NCBI GI #	4504671
NCBI GeneID	3567
NCBI Accession #	NP_000870.1
UniProt Primary Accession #	P05113
UniProt Secondary Accession #	Q13840

UniProt Related Accession #	P05113
GenBank Nucleotide #	NM_000879.2
NCBI Official Full Name	interleukin-5
NCBI Official Synonym Full Names	interleukin 5
NCBI Official Symbol	IL5
NCBI Official Synonym Symbols	EDF; TRF; IL-5
UniProt Protein Name	Interleukin-5
UniProt Synonym Protein Names	B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF
Protein Family	Interleukin
UniProt Gene Name	IL5
UniProt Synonym Gene Names	IL-5; TRF
UniProt Entry Name	IL5_HUMAN
NCBI Protein Information	interleukin-5; B-cell differentiation factor I; T-cell replacing factor; colony-stimulating factor, eosinophil; eosinophil differentiation factor
NCBI Summary for IL5	This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of this cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukine 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2 . This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31. [provided by RefSeq, Jul 2013]
UniProt Comments for IL5	IL5: Factor that induces terminal differentiation of late- developing B-cells to immunoglobulin secreting cells. Belongs to the IL-5 family. Protein type: Secreted; Secreted, signal peptide; Cytokine Chromosomal Location of Human Ortholog: 5q31.1 Cellular Component: extracellular space; extracellular region Molecular Function: protein binding; interleukin-5 receptor binding; growth factor activity; cytokine activity Biological Process: positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of transcription, DNA-dependent; cytokine and chemokine mediated signaling pathway; positive regulation of B cell proliferation; positive regulation of JAK-STAT cascade; positive regulation of transcription factor activity; immune response; positive regulation of immunoglobulin secretion; inflammatory response; positive regulation of eosinophil differentiation
Research Articles on IL5	**1.** HDM-specific IL-5 responses at age 3 years or later are the best measure of T cell function for predicting asthma at age 8 years.
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