Interleukin 10 Receptor Beta (IL10Rbeta) ELISA Kit for Cat

PRODUCT OVERVIEW

Product Name	Interleukin 10 Receptor Beta (IL10Rbeta), ELISA Kit
Full Product Name	Cat Interleukin 10 Receptor Beta ELISA Kit
Product Gene Name	IL10Rbeta elisa kit
Species Reactivity	Cat
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	36,995 Da
OMIM	123889
3D Structure	ModBase 3D Structure for Q08334
Related Product Information for IL10Rbeta elisa kit	MBS051369 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Interleukin 10 Receptor Beta (IL10Rbeta) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing IL10Rbeta. The ELISA analytical biochemical technique of the MBS051369 kit is based on IL10Rbeta antibody-IL10Rbeta antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IL10Rbeta antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IL10Rbeta. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of IL10Rbeta elisa kit 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 IL10Rbeta. It may not necessarily be applicable to this product.

NCBI GI #	119630246
NCBI GeneID	3588
NCBI Accession #	EAX09841.1
UniProt Primary Accession #	Q08334
UniProt Secondary Accession #	Q9BUU4
UniProt Related Accession #	Q08334
NCBI Official Full Name	interleukin 10 receptor, beta, isoform CRA_b
NCBI Official Synonym Full Names	interleukin 10 receptor, beta
NCBI Official Symbol	IL10RB
NCBI Official Synonym Symbols	CRFB4; CRF2-4; D21S58; D21S66; CDW210B; IL-10R2
UniProt Protein Name	Interleukin-10 receptor subunit beta
UniProt Synonym Protein Names	Cytokine receptor class-II member 4; Cytokine receptor family 2 member 4; CRF2-4; Interleukin-10 receptor subunit 2
UniProt Gene Name	IL10RB

UniProt Synonym Gene Names	CRFB4; D21S58; D21S66; IL-10 receptor subunit beta; IL-10R subunit beta; IL-10RB; CRF2-4; IL-10R subunit 2; IL-10R2
UniProt Entry Name	I10R2_HUMAN
NCBI Protein Information	interleukin-10 receptor subunit beta; IL-10RB; IL-10R subunit 2; IL-10R subunit beta; IL-10 receptor subunit beta; cytokine receptor class-II CRF2-4; interleukin-10 receptor subunit 2; cytokine receptor class-II member 4; cytokine receptor family 2 member 4; cytokine receptor family II, member 4
NCBI Summary for IL10Rbeta	The protein encoded by this gene belongs to the cytokine receptor family. It is an accessory chain essential for the active interleukin 10 receptor complex. Coexpression of this and IL10RA proteins has been shown to be required for IL10-induced signal transduction. This gene and three other interferon receptor genes, IFAR2, IFNAR1, and IFNGR2, form a class II cytokine receptor gene cluster located in a small region on chromosome 21. [provided by RefSeq, Jul 2008]
UniProt Comments for IL10Rbeta	IL10RB: Shared cell surface receptor required for the activation of five class 2 cytokines: IL10, IL22, IL26, IL28, and IL29. Defects in IL10RB are the cause of inflammatory bowel disease type 25 (IBD25). It is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may affect any part of the gastrointestinal tract from the mouth to the anus, but most frequently it involves the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints. Belongs to the type II cytokine receptor family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 21q22.11 Cellular Component: plasma membrane; integral to membrane; interleukin-28 receptor complex Molecular Function: protein binding; interleukin-10 receptor activity; receptor activity Biological Process: cytokine and chemokine mediated signaling pathway; immune response; signal transduction; inflammatory response; defense response to virus Disease: Inflammatory Bowel Disease 25, Autosomal Recessive; Hepatitis B Virus, Susceptibility To
Research Articles on IL10Rbeta	**1.** Mutations in the IL10RB gene is associated with ulcerative colitis.
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