Rabbit Anti-Mouse Interleukin-11 Receptor Alpha Chain Monoclonal Antibody

Cat. No. CAB11560RM **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rabbit Monoclonal Antibody to Mouse Interleukin-11 Receptor Alpha Chain
Species	Mouse
Source	Rabbit
Antigen Description	Mouse interleukin-11 receptor alpha chain, also known as IL-11R-alpha, and IL11RA, is a single-pass type Imembrane protein. It belongs to the type Icytokine receptor family and type 3 subfamily and contains two fibronectin type-III domains and one Ig-like C2-type (immunoglobulin-like) domain. Interleukin 11 receptor is a heterodimer composed of an interleukin 11 receptor alpha subunit and an incompletely characterized beta subunit. IL11RA is expressed in a number of cell lines, including the myelogenous leukemia cell line K562, the megakaryocytic leukemia cell line Mo7E, the erythroleukemia cell line TF1, and the osteosarcoma cell lines, MG-63 and Saos-2. It is also expressed in normal and malignant prostate epithelial cell lines. IL11RA is a receptor for interleukin-11. The receptor systems for IL6, LIF, OSM, CNTF, IL11 and CT1 can utilize IL6ST for initiating signal transmission. The IL11/IL11RA/IL6ST complex may be involved in the control of proliferation and differentiation of skeletogenic progenitor or other mesenchymal cells.
Specificity	Mouse IL11RA / IL11Rα. No cross-reactivity with human cell lysate (293 cell line) in WB and ELISA.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Immunogen	Recombinant mouse IL11RA protein
Isotype	Rabbit IgG
Cross Reactivity	025
Clone	A026
Applications	WB; ELISA
Dilution	Western blot: This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect mouse IL11RA in WB. Using a DAB detection system, the detection limit for mouse IL11RA is approximately 0.25 ng/lane under non-reducing conditions and reducing conditionsDirect ELISA: This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse IL11RA. The detection limit for mouse IL11RA is approximately 0.00245 ng/well
Preparation	This antibody was obtained from a rabbit immunized with purified, human cell-derived, recombinant mouse IL11RA (rM IL11RA ; NP_001156873.1 ; Met 1 - Gln 367)
Format	0.2 µm filtered solution in PBS with 5% trehalose
Storage	This antibody can be stored at 2-8 °C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -70 °C. Preservative-Free.Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Il11ra1 interleukin 11 receptor, alpha chain 1 [Mus musculus]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	Il11ra1
Synonyms	IL11RA1; interleukin 11 receptor, alpha chain 1; interleukin-11 receptor subunit alpha-1; NR-1; etl-2; locus 2; IL-11RA1; Il-11ra-alpha; IL-11R-alpha-1; IL-11R subunit alpha-1; novel cytokine receptor 1; enhancer trap locus homolog 2; IL-11 receptor subunit alpha-1; interleukin 11 receptor, alpha chain 2; NR1; GP130; Il11ra; Il-11ra; Il11ra2; AI314697;
Gene ID	16157
mRNA Refseq	NM_001163401
Protein Refseq	NP_001156873
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	cytokine receptor activity; interleukin-11 binding; interleukin-11 receptor activity; receptor activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA