



IL-5R α Monoclonal Antibody

Catalog No	YP-mAb-16008
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IL5RA
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human IL5RA. AA range:41-90
Specificity	IL-5R α Monoclonal Antibody detects endogenous levels of IL-5R α protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	IL5RA;CD125;HSIL5R3;IL 5 receptor subunit alpha;IL 5R alpha;IL-5R α ; Interleukin-5 receptor subunit alpha;IL5R;IL-5 receptor subunit alpha;IL-5R subunit alpha;IL-5R-alpha;IL-5RA;CDw125
Observed Band	47kD
Calculated Molecular Weight	47kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Expressed on eosinophils and basophils.
Function	domain:The box 1 motif is required for JAK interaction and/or activation., domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding., function:This is the receptor for interleukin-5. The alpha chain binds to IL5., similarity:Belongs to the type I cytokine receptor family. Type 5 subfamily., subunit:Heterodimer of an alpha and a beta subunit. The beta subunit is common to the IL3, IL5 and GM-CSF receptors. Interacts with SDCBP.,tissue specificity:Expressed on eosinophils and basophils.,



Background

The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Several alternatively spliced transcript variants encoding four distinct isoforms have been reported. [provided by RefSeq, Jul 2011],

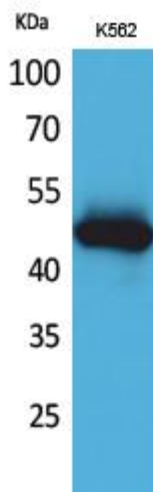
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using IL-5Rα Monoclonal Antibody