



IL-2R α Monoclonal Antibody

Catalog No	YP-mAb-13377
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IL2RA
Immunogen	The antiserum was produced against synthesized peptide derived from human IL-2R α /CD25. AA range:223-272
Specificity	IL-2R α Monoclonal Antibody detects endogenous levels of IL-2R 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	CD25;IL-2 receptor subunit α ;IL2 RA;IL 2R subunit α ;IL 2 receptor subunit α ;IL-2R α ;IL2RA;Interleukin-2 receptor subunit α ;IL-2-RA;IL-2R subunit α ;IL2-RA;TAC antigen;p55;CD antigen CD25
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Thymus,
Function	disease:Genetic variations in IL2RA are associated with susceptibility to insulin-dependent diabetes mellitus type 10 (IDDM10) [MIM:601942].,function:Receptor for interleukin-2.,online information:IL2RA mutation db,similarity:Contains 2 Sushi (CCP/SCR) domains.,subunit:Non-covalent dimer of an α and a β chains. IL2R exists in 3 different forms: a high affinity dimer, an intermediate affinity monomer (β chain), and a low affinity monomer (α chain). The high and intermediate affinity forms also associate with a γ chain.,



Background

The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency.[provided by RefSeq, Nov 2009],

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

