

Anti-Phospho-CD25/IL2RA (S268) Antibody

Catalog Number: P00214

About IL2RA

IL2RA(Interleukin 2 receptor, alpha), also called IL2R, IL2R, Alpha Chain or CD25, is a protein that in humans is encoded by the IL2RA gene. The IL2RA gene is mapped on 10p15.1. IL2RA is composed of strand-swapped "sushi-like" domains, unlike the classical cytokine receptor fold. As a result of this domain swap, IL2RA uses a composite surface to dock into a groove on IL2 that also serves as a binding site for antagonist drugs. 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. Infection by the protozoan *Trypanosoma cruzi* causes Chagas disease, characterized by a reduction in the amount of IL2RA expressed on the surface of immune cells. This leads to chronic immune suppression, becoming increasingly severe over the course of many years and ultimately resulting in death if left untreated.

Overview

Product Name	Anti-Phospho-CD25/IL2RA (S268) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-CD25/IL2RA (S268) Antibody catalog # P00214. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P01589

Technical Details

Immunogen	A synthesized peptide derived from human IL-2R /CD25 around the phosphorylation site of Ser268.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200

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Anti-Phospho-CD25/IL2RA (S268) Antibody

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