

Anti-IL5RA Antibody Picoband®

Catalog Number: PA1619

About IL5RA

IL5RA (INTERLEUKIN 5 RECEPTOR, ALPHA), also known as CD125, is a subunit of the Interleukin-5 receptor. IL5RA also denotes its human gene. The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor which is composed 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 IL5RA gene is mapped to 3p26-p24 by Southern blot analysis of DNA from a panel of mouse-human hybrid somatic cell lines complemented by in situ hybridization. And its Cytogenetic location is 3p26.2. Within this 15-residue stretch of IL5RA, the C-terminal phenylalanine is critical. The binding of this protein to IL5 depends on the beta subunit which is activated by the ligand binding and is required for the biological activities of IL5.

Overview

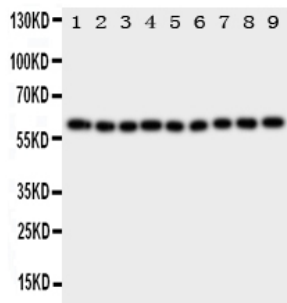
Product Name	Anti-IL5RA Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-IL5RA Antibody catalog # PA1619. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q01344

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human IL5RA.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

Anti-IL5RA Antibody Picoband® (PA1619) Images



Anti-IL5RA antibody, PA1619, Western blotting All lanes: Anti IL5RA (PA1619) at 0.5ug/ml Lane 1: A549 Whole Cell Lysate at 40ug Lane 2: SMMC Whole Cell Lysate at 40ug Lane 3: U87 Whole Cell Lysate at 40ug Lane 4: 293T Whole Cell Lysate at 40ug Lane 5: PANC Whole Cell Lysate at 40ug Lane 6: HELA Whole Cell Lysate at 40ug Lane 7: JURKAT Whole Cell Lysate at 40ug Lane 8: RAJI Whole Cell Lysate at 40ug Lane 9: CEM Whole Cell Lysate at 40ug Predicted bind size: 48KD Observed bind size: 60KD

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Anti-IL5RA Antibody

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