

Anti-IL3RA Antibody Picoband®

Catalog Number: PA1617

About IL3RA

IL3RA (INTERLEUKIN 3 RECEPTOR, ALPHA), also called CD123 (Cluster of Differentiation 123), is a human gene. The protein encoded by this gene is an interleukin 3 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 IL3RA is mapped on Xp22.33. The genomic structures of IL3RA and CSF2RA are very similar and share an additional exon encoding part of the C-terminal domain not found in other members of this gene family. As in human hematopoietic cells, IL3 and GMCSF competed for binding in fibroblasts expressing the cDNAs for IL3RA, CSF2RA, and the common beta subunit, indicating that different alpha subunits compete for a common beta subunit.

Overview

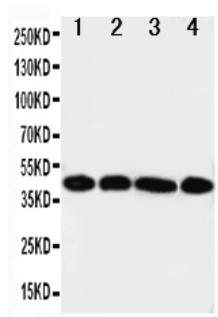
Product Name	Anti-IL3RA Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-IL3RA Antibody catalog # PA1617. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong 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	P26951

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human IL3RA.
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-IL3RA Antibody Picoband® (PA1617) Images



Anti-IL3RA antibody, PA1617, Western blotting
Lane 1: A431 Cell Lysate
Lane 2: SMMC Cell Lysate
Lane 3: U87 Cell Lysate
Lane 4: 293T Cell Lysate

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Anti-IL3RA Antibody

For Research Use Only. Not for use in diagnostic procedures.