

Summary

Production Name	IL3RA Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	ICC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	IL3RA
Alternative Names	IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra
Gene ID	3563.0
SwissProt ID	P26951.Purified recombinant fragment of human IL3RA (AA: 200-305) expressed in E. Coli.

Application

Dilution Ratio	ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	43.3kDa

Background

Product Name: IL3RA Mouse Monoclonal Antibody
Catalog #: AMM81244

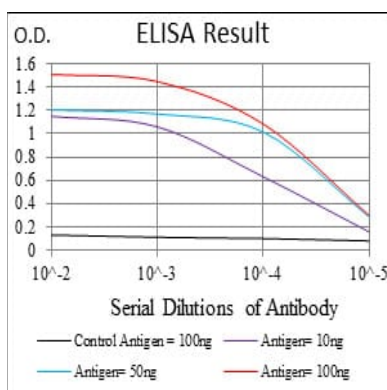


The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found.

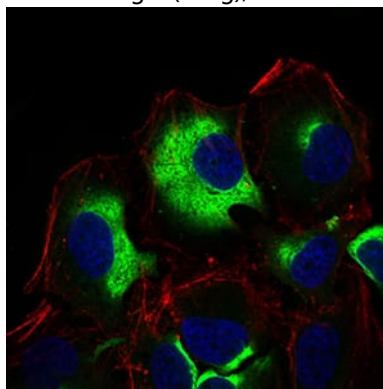
Research Area

TGF-beta signaling pathway, PI3K-Akt signaling pathway, Jak-STAT signaling pathway

Image Data

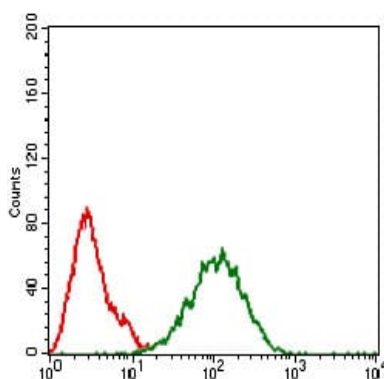


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Immunofluorescence analysis of HeLa cells using IL3RA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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Flow cytometric analysis of Hela cells using IL3RA mouse mAb (green) and negative control (red).

Note

For research use only.