

ARG70252

Human CD123 / IL3RA recombinant protein (ECD) (His-tagged, C-ter)

Package: 50 µg

Store at: -20°C

Summary

Product Description	HEK293 expressed, His-tagged (C-ter) Human CD123 / IL3RA recombinant protein (ECD).
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	CD123 / IL3RA (ECD)
Species	Human
A.A. Sequence	Lys20 - Arg305 of Human CD123 / IL3RA (NP_002174.1) with 6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	IL-3R subunit alpha; CD123; CD antigen CD123; IL3RAY; IL-3R-alpha; IL3RY; IL3RX; IL3R; IL-3RA; IL-3 receptor subunit alpha; hIL-3Ra; Interleukin-3 receptor subunit alpha

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized recombinant Human IL3 at 4µg/ml (100µl/well) can bind recombinant Human IL3RA, the EC50 of Human IL3RA is 5.3 µg/ml.
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Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 90% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

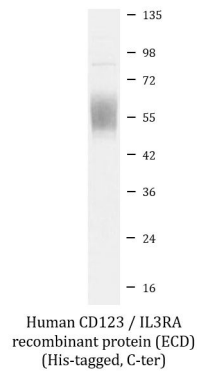
Bioinformation

Gene Symbol	IL3RA
Gene Full Name	interleukin 3 receptor, alpha (low affinity)
Background	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. [provided by RefSeq, Jun 2012]

Function	This is a receptor for interleukin-3. [UniProt]
Calculated Mw	43 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG70252 Human CD123 / IL3RA recombinant protein (ECD) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70252 Human CD123 / IL3RA recombinant protein (ECD) (His-tagged, C-ter).