

ARG83311 Human CD125 / IL5RA ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83311 Human CD125 / IL5RA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD125 / IL5RA in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD125 / IL5RA
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	17 pg/ml
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 4.0% Inter-Assay CV: 5.2%
Alternate Names	CD125; CDw125; IL-5 receptor subunit alpha; IL5R; Interleukin-5 receptor subunit alpha; CD antigen CD125; HSIL5R3; IL-5R-alpha; IL-5R subunit alpha; IL-5RA

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL5RA
Gene Full Name	interleukin 5 receptor, alpha
Background	The protein encoded by this gene is an interleukin 5 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 IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated

activation of the transcription factor SOX4. Several alternatively spliced transcript variants encoding four distinct isoforms have been reported. [provided by RefSeq, Jul 2011]

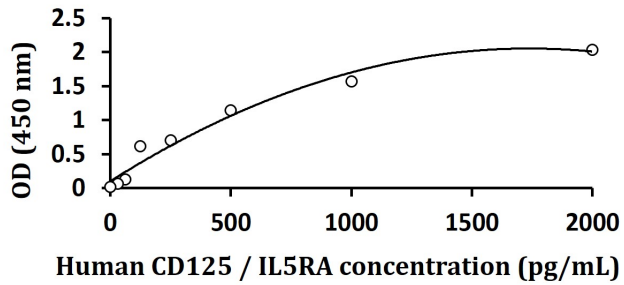
Function

This is the receptor for interleukin-5. The alpha chain binds to IL5. [UniProt]

Cellular Localization

Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG83311 Human CD49e / Integrin alpha 5 ELISA Kit Human CD125 / Human CD125 / IL5RA ELISA Kit standard curve image

ARG83311 Human CD49e / Integrin alpha 5 ELISA Kit Human CD125 / Human CD125 / IL5RA ELISA Kit results of a typical standard run with optical density reading at 450 nm.
