

ARG81452 Human G-CSF Receptor ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81452-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81452-002	Standard	2 X 10 ng/vial	4°C
ARG81452-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81452-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81452-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81452-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81452-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81452-008	25X Wash buffer	20 ml	4°C
ARG81452-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81452-010	STOP solution	10 ml (Ready to use)	4°C
ARG81452-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81452 Human G-CSF Receptor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human G-CSF Receptor in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	G-CSF Receptor
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.5% Inter-Assay CV: 7.8%
Alternate Names	G-CSF receptor; CD114; CD antigen CD114; G-CSF-R; GCSFR; Granulocyte colony-stimulating factor receptor

Application Instructions

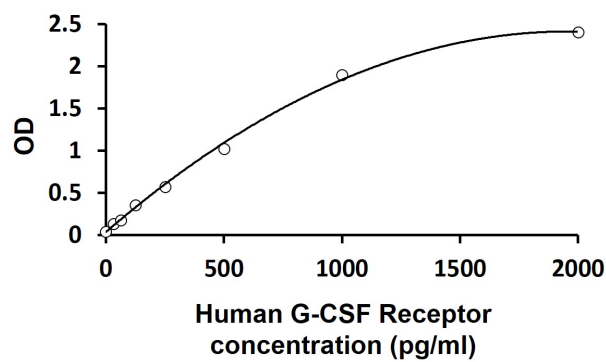
Assay Time	~ 5 hours
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Properties

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	CSF3R
Gene Full Name	colony stimulating factor 3 receptor (granulocyte)
Background	The protein encoded by this gene is the receptor for colony stimulating factor 3, a cytokine that controls the production, differentiation, and function of granulocytes. The encoded protein, which is a member of the family of cytokine receptors, may also function in some cell surface adhesion or recognition processes. Alternatively spliced transcript variants have been described. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. [provided by RefSeq, Aug 2010]
Function	Receptor for granulocyte colony-stimulating factor (CSF3), essential for granulocytic maturation. Plays a crucial role in the proliferation, differentiation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface. [UniProt]
Highlight	Related products: G-CSF Receptor antibodies ; G-CSF Receptor ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]



ARG81452 Human G-CSF Receptor ELISA Kit standard curve image

ARG81452 Human G-CSF Receptor ELISA Kit results of a typical standard run with optical density reading at 450 nm.