

ARG80143 Human G-CSF ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80143-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80143-002	Standard (Lyophilized)	3 X 2 ng/vial	4°C
ARG80143-003	Standard diluent buffer	20 ml	4°C
ARG80143-004	Antibody conjugate concentrate	400 µl	4°C
ARG80143-005	Antibody diluent buffer	16 ml	4°C
ARG80143-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80143-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80143-008	20X Wash buffer	50 ml	4°C
ARG80143-009	TMB substrate	12ml	4°C (Protect from light)
ARG80143-010	STOP solution	12ml	4°C
ARG80143-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80143 Human G-CSF ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human G-CSF in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human CT-1,IL-11,OSM,CNTF,HGF,M-CSF, mouse IL-6, rat IL-6, CNTF
Target Name	G-CSF
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	31.25 - 2000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	Granulocyte colony-stimulating factor; Lenograstim; C17orf33; G-CSF; G-CSF; Filgrastim; Pluripoiectin; CSF3OS

Application Instructions

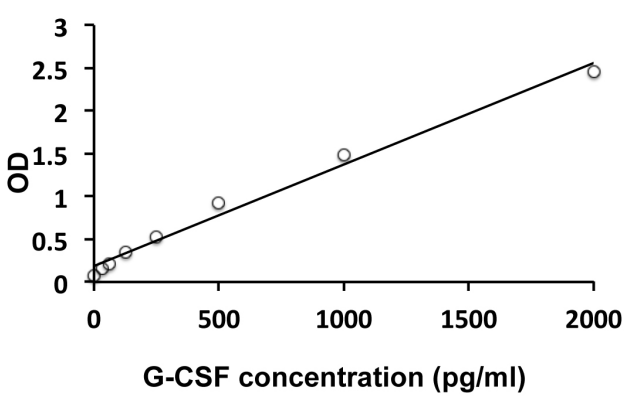
Assay Time	4 hours
------------	---------

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

Database links	GeneID: 1440 Human Swiss-port # P09919 Human
Gene Symbol	CSF3
Gene Full Name	colony stimulating factor 3 (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. Four transcript variants encoding four different isoforms have been found for this gene, with three of the isoforms being membrane-bound and the other being secreted and soluble. Mutations in this gene are a cause of Kostmann syndrome, also known as severe congenital neutropenia. [provided by RefSeq]
Highlight	Related products: G-CSF antibodies ; G-CSF ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cancer kit; Immune System kit
PTM	O-glycan consists of Gal-GalNAc disaccharide which can be modified with up to two sialic acid residues (done in recombinantly expressed G-CSF from CHO cells).



ARG80143 Human G-CSF ELISA Kit standard curve image

ARG80143 Human G-CSF ELISA Kit results of a typical standard run with optical density reading at 450 nm.