

ARG81417 Human Oncostatin M ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81417-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81417-002	Standard	2 X 10 ng/vial	4°C
ARG81417-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81417-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81417-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81417-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81417-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81417-008	25X Wash buffer	20 ml	4°C
ARG81417-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81417-010	STOP solution	10 ml (Ready to use)	4°C
ARG81417-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81417 Human Oncostatin M ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Oncostatin M 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	Oncostatin M
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2% Inter-Assay CV: 7.5%
Alternate Names	OSM; Oncostatin-M

Application Instructions

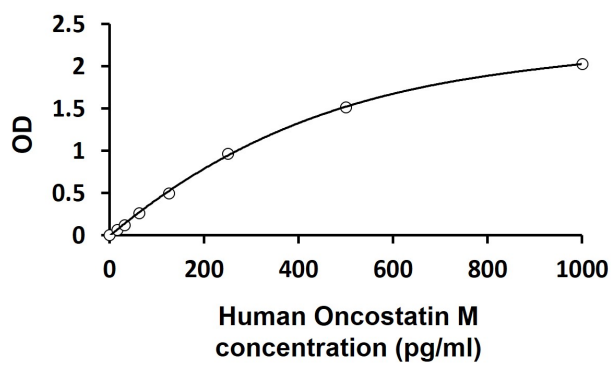
Assay Time	~ 5 hours
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Properties

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	OSM
Gene Full Name	oncostatin M
Background	Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. [provided by RefSeq, Jul 2008]
Function	Growth regulator. Inhibits the proliferation of a number of tumor cell lines. Stimulates proliferation of AIDS-KS cells. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. Uses both type I OSM receptor (heterodimers composed of LIPR and IL6ST) and type II OSM receptor (heterodimers composed of OSMR and IL6ST). Involved in the maturation of fetal hepatocytes, thereby promoting liver development and regeneration (By similarity). [UniProt]
Highlight	Related products: Oncostatin M antibodies ; Oncostatin M ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Propeptide processing is not important for receptor binding activity but may be important growth-inhibitory activity. [UniProt]



ARG81417 Human Oncostatin M ELISA Kit standard curve image

ARG81417 Human Oncostatin M ELISA Kit results of a typical standard run with optical density reading at 450 nm.