

ARG82358 Mouse OGN / Osteoglycin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82358-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82358-002	Standard	2 X 10 ng/vial	4°C
ARG82358-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82358-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82358-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82358-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82358-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82358-008	25X Wash buffer	20 ml	4°C
ARG82358-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82358-010	STOP solution	10 ml (Ready to use)	4°C
ARG82358-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82358 Mouse OGN / Osteoglycin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse OGN / Osteoglycin in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	OGN / Osteoglycin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6.2% Inter-Assay CV: 7.8%

Alternate Names Mimecan; SLRR3A; OG; OIF; Osteoglycin; Osteoinductive factor

Application Instructions

Assay Time ~ 5 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

Gene Symbol OGN

Gene Full Name osteoglycin

Background This gene encodes a protein which induces ectopic bone formation in conjunction with transforming growth factor beta. This protein is a small proteoglycan which contains tandem leucine-rich repeats (LRR). Alternatively spliced transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

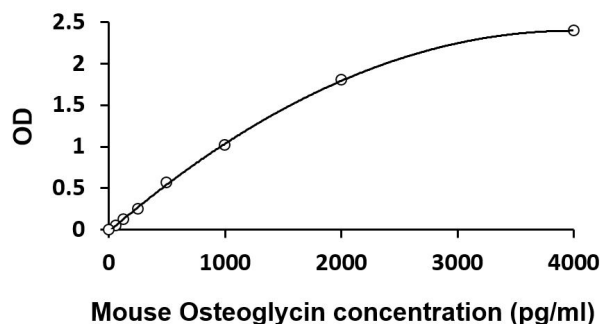
Function Induces bone formation in conjunction with TGF-beta-1 or TGF-beta-2. [UniProt]

Highlight Related products:
[Osteoglycin antibodies](#); [Osteoglycin ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

PTM N- and O-glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan. [UniProt]

Cellular Localization Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG82358 Mouse OGN / Osteoglycin ELISA Kit standard curve image

ARG82358 Mouse OGN / Osteoglycin ELISA Kit results of a typical standard run with optical density reading at 450 nm.