

ARG82567 Human CRTAC1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82567-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82567-002	Standard	2 X 10 ng/vial	4°C
ARG82567-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82567-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82567-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82567-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82567-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82567-008	25X Wash buffer	20 ml	4°C
ARG82567-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82567-010	STOP solution	10 ml (Ready to use)	4°C
ARG82567-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82567 Human CRTAC1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CRTAC1 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CRTAC1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	156 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	312 - 20000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.2% Inter-Assay CV: 7.1%

Alternate Names CEP-68; Cartilage acidic protein 1; ASPIC; 68 kDa chondrocyte-expressed protein; ASPIC1

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 CRTAC1

Gene Full Name cartilage acidic protein 1

Background This gene encodes a glycosylated extracellular matrix protein that is found in the interterritorial matrix of articular deep zone cartilage. This protein is used as a marker to distinguish chondrocytes from osteoblasts and mesenchymal stem cells in culture. The presence of FG-GAP motifs and an RGD integrin-binding motif suggests that this protein may be involved in cell-cell or cell-matrix interactions. Copy number alterations in this gene have been observed in neurofibromatosis type 1-associated glomus tumors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

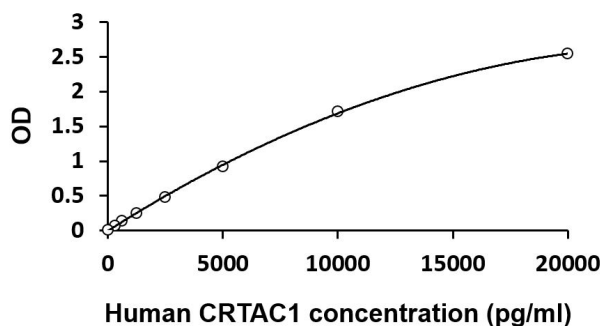
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PTM O-glycosylated. [UniProt]

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

Images



ARG82567 Human CRTAC1 ELISA Kit standard curve image

ARG82567 Human CRTAC1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.