

ARG83112 Mouse DGKA ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83112 Mouse DGKA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse DGKA in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	DGKA
Conjugation	Biotin
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.35 ng/ml
Detection Range	0.625 - 40 ng/mL
Alternate Names	Diglyceride kinase alpha; DGK-alpha; 80 kDa diacylglycerol kinase; DAGK; DAGK1; DAG kinase alpha; EC 2.7.1.107; Diacylglycerol kinase alpha

Application Instructions

Assay Time	~ 4 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	DGKA
Gene Full Name	diacylglycerol kinase, alpha 80kDa
Background	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]
Function	Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity. [UniProt]