ARG83234
Human CD109 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83234 Human CD109 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD109 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD109
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	25 pg/ml
Detection Range	312 pg/ml - 20,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 4.9% Inter-Assay CV: 4.6%
Alternate Names	p180; CPAMD7; Platelet-specific Gov antigen; CD109 antigen; r150; 150 kDa TGF-beta-1-binding protein; CD antigen CD109; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7

Application Instructions

Assay Time	~ 5 hours

Properties

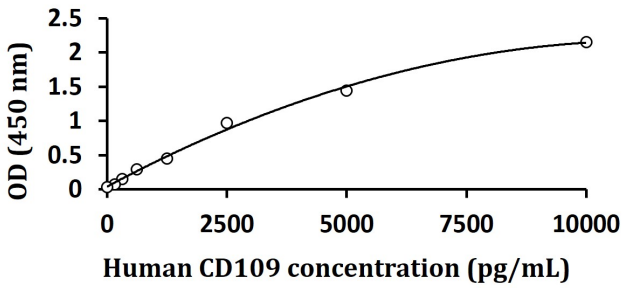
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CD109
Gene Full Name	CD109 molecule
Background	This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]
Function	Modulates negatively TGFB1 signaling in keratinocytes. [UniProt]

PTM	N-glycosylated. 2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form. [UniProt]
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



ARG83234 Human CD109 ELISA Kit standard curve image

ARG83234 Human CD109 ELISA Kit results of a typical standard run with optical density reading at 450 nm.