

ARG83295 Human GP6 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83295 Human GP6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human GP6 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	GP6
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 4.6% Inter-Assay CV: 5.2%
Alternate Names	GP6; Glycoprotein VI Platelet; GPVI; Platelet Glycoprotein VI; Glycoprotein 6; Glycoprotein VI (Platelet); Platelet Collagen Receptor; BDPLT11; GPIV

Application Instructions

Assay Time	~ 5 hours
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Properties

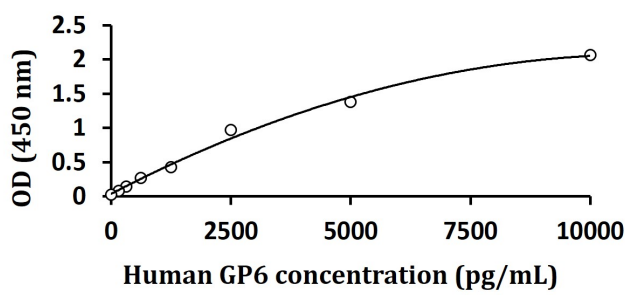
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	GP6
Gene Full Name	Glycoprotein VI Platelet
Background	This gene encodes a platelet membrane glycoprotein of the immunoglobulin superfamily. The encoded protein is a receptor for collagen and plays a critical role in collagen-induced platelet aggregation and thrombus formation. The encoded protein forms a complex with the Fc receptor gamma-chain that initiates the platelet activation signaling cascade upon collagen binding. Mutations in this gene are a cause of platelet-type bleeding disorder-11 (BDPLT11). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Function	Collagen receptor involved in collagen-induced platelet adhesion and activation. Plays a key role in platelet procoagulant activity and subsequent thrombin and fibrin formation. This procoagulant function may contribute to arterial and venous thrombus formation. The signaling pathway involves the FcR gamma-chain, the Src kinases (likely FYN or LYN) and SYK, the adapter protein LAT and leads to the activation of PLCG2.
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Cell membrane, Membrane

Images



ARG83295 Human GP6 ELISA Kit standard curve image

ARG83295 Human GP6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.