

ARG82602 Human XPNPEP2 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82602 Human XPNPEP2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human XPNPEP2 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	<p>This kit could assay both natural and recombinant Human XPNPEP2.</p> <p>No significant cross-reactivity or interference was observed in the following samples: Human: IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, TGF beta 1, TNF alpha and VEGF. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.</p>
Target Name	XPNPEP2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	20 µl
Precision	Intra-Assay CV: 1.6% Inter-Assay CV: 2.9%
Alternate Names	Membrane-bound aminopeptidase P; mAmP; APP2; AEACEI; Xaa-Pro aminopeptidase 2; Membrane-bound AmP; Aminoacylproline aminopeptidase; Membrane-bound APP; X-Pro aminopeptidase 2; EC 3.4.11.9

Application Instructions

Assay Time	~ 2.5 hours
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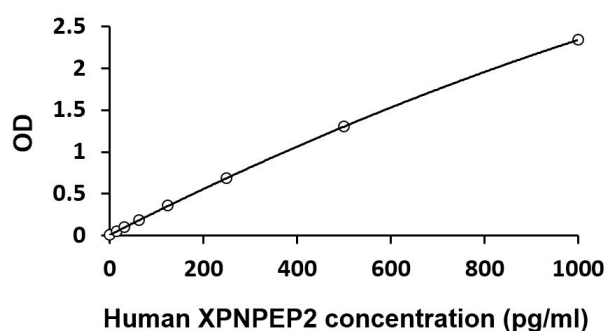
Properties

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	XPNPEP2
Gene Full Name	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound
Background	Aminopeptidase P is a hydrolase specific for N-terminal imido bonds, which are common to several collagen degradation products, neuropeptides, vasoactive peptides, and cytokines. Structurally, the enzyme is a member of the 'pita bread fold' family and occurs in mammalian tissues in both soluble and GPI-anchored membrane-bound forms. A membrane-bound and soluble form of this enzyme have been identified as products of two separate genes. [provided by RefSeq, Jul 2008]
Function	A metalloprotease that may play a role in the inflammatory process and other reactions produced in response to injury or infection. May also play a role in the metabolism of the vasodilator bradykinin. [UniProt]
Highlight	Related products: XPNPEP2 antibodies ; XPNPEP2 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



ARG82602 Human XPNPEP2 ELISA Kit standard curve image

ARG82602 Human XPNPEP2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.