

Human DPP7/DPPII/DPP2 ELISA Kit | DPP7/DPPII/DPP2 elisa kit

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CATALOG #
AAA258381

REACTIVITY
Human

PRODUCT SYNONYMS

DPP7/DPPII/DPP2; Human DPP7/DPPII/DPP2 ELISA Kit; DPP2 ELISA Kit; Human; dipeptidyl-peptidase 7; DPPII ELISA Kit; QPP ELISA Kit; DPP7/DPPII/DPP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human DPP7/DPPII/DPP2 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	62.5-4000pg/mL
Sensitivity	13.33pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

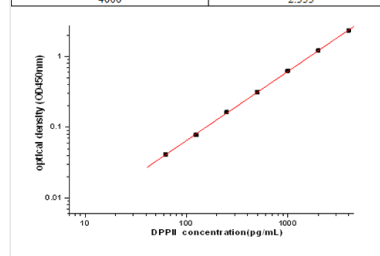
IMAGES

Recombinant human			
IL-1	IL-2	IL-33	IL-10
IL-8	TNF- α	IL-4	IL-6
IFN- γ	MIP-1 β	TIMP-1	TIMP-2
GM-CSF	SCF	PDGF	VEGF
Recombinant mouse			
DPPII			

Application Data

This assay recognizes both recombinant and natural Human DPPII. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
62.5	0.041
125	0.078
250	0.164
500	0.313
1000	0.628
2000	1.209
4000	2.333



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for DPP7/DPPII/DPP2 elisa kit	This DPP2 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human DPP2 protein in Serum. It contains recombinant Human DPP2, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: DPP7 (dipeptidylpeptidase 7), also known as DPPII and DPP2, is a post-proline cleaving aminopeptidase expressed in quiescent lymphocytes. Dipeptidyl peptidases (DPPs) have post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. DPPs mediate regulatory activity of their substrates and have been linked to a variety of diseases including type 2 diabetes, obesity and cancer. DPPs can bind specific voltage-gated potassium channels and alter their expression and biophysical properties and may also influence T cells. DPP proteins include DPRP1, DPRP2, DPP3, DPP7, DPP10, DPPX and CD26. It localizes to lysosomes. DPP7 localizes to lysosomes and exists as a homodimer via its leucine zipper motif and is involved in the degradation of oligopeptides. In response to calcium release, it can be secreted in its active form. It is essential for lymphocyte survival, as the inhibition of DPP7 results in quiescent cell apoptosis.
References	Chiravuri M, et al. (1999) A novel apoptotic pathway in quiescent lymphocytes identified by inhibition of a post-proline cleaving aminodipeptidase: a candidate target protease, quiescent cell proline dipeptidase. J Immunol. 163(6):3092-9. Fukasawa KM, et al. (2001) Cloning and functional expression of rat kidney dipeptidyl peptidase II. Biochem J. 353(Pt 2):283-90. Fornas E, et al. (1992) Effect of cholesterol and its autooxidation derivatives on endocytosis and dipeptidyl peptidases of aortic endothelial cells. Histol Histopathol. 7(2):163-8.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/dpp7-dppii-dpp2/258381>