Mouse Dipeptidyl peptidase 8 (DPP8) ELISA Kit

Catalog No: #EK10538

Package Size: #EK10538-1 48T #EK10538-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Dipeptidyl peptidase 8 (DPP8) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DP8; DPRP1; FLJ14920; FLJ20283; MGC26191; MSTP141; dipeptidyl peptidase 8|dipeptidyl peptidase IV-related protein-1|dipeptidyl peptidase VIII|dipeptidylpeptidase 8|prolyl dipeptidase DPP8
Accession No.	Q80YA7
Uniprot	Q80YA7
GeneID	74388;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.113 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate DPP8 in samples. An antibody specific for DPP8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDPP8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DPP8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DPP8 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Dipeptidyl peptidase 8 is member of the peptidase S9B family, a small family of dipeptidyl peptidases that are able to cleave peptide substrates at a prolyl bond.

The encoded protein shares similarity with dipeptidyl peptidase IV in that it is ubiquitously expressed, and hydrolyzes the same substrates. These similarities suggest that, like dipeptidyl peptidase IV, this protein may play a role in T-cell activation and immune function. Alternatively spliced transcript variants encoding different isoforms have been described.The deduced 882-amino acid DPP8 protein shares about 27% sequence identity with DPP4 and FAP; unlike these proteins, however, DPP8 has no transmembrane domain and no N- or O-linked glycosylation sites.

Note: This product is for in vitro research use only