

Mouse Dipeptidyl Peptidase IV (DPP4) ELISA Kit | DPP4 elisa kit

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CATALOG # AAA65184	REACTIVITY Mouse
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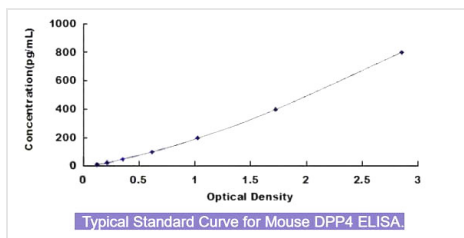
PRODUCT SYNONYMS

Dipeptidyl Peptidase IV (DPP4); Mouse Dipeptidyl Peptidase IV (DPP4) ELISA Kit; CD26; ADA; DPPIV; DPP-IV; ADABP; ADCP2; TP103; Adenosine Deaminase Complexing Protein 2; T-cell activation antigen CD26; DPP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DPP4. No significant cross-reactivity or interference between DPP4 and analogues was observed.
Sequence Length	729
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids
Detection Range	12.5-800pg/mL
Sensitivity	< 5.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DPP4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DPP4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPP4 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DPP4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DPP4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DPP4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of DPP4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DPP4 in mouse serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	227116292
NCBI GeneID	13482
NCBI Accession #	NP_001153015.1
NCBI GenBank Nucleotide #	NM_001159543.1
UniProt Accession #	P28843; Q3U514
Molecular Weight	87,437 Da
NCBI Official Full Name	dipeptidyl peptidase 4 isoform 2
NCBI Official Synonym Full Names	dipeptidylpeptidase 4
NCBI Official Symbol	Dpp4
NCBI Official Synonym Symbols	Cd26; THAM; Dpp-4
NCBI Protein Information	dipeptidyl peptidase 4
UniProt Protein Name	Dipeptidyl peptidase 4
UniProt Gene Name	Dpp4
UniProt Synonym Gene Names	Cd26; DPP IV; THAM

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.