

Mouse Dipeptidyl peptidase 9 (DPP9) ELISA Kit

Catalog No: #EK11273



Package Size: #EK11273-1 48T #EK11273-2 96T

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Description

Product Name	Mouse Dipeptidyl peptidase 9 (DPP9) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	DKFZp762F117; DPRP2; FLJ16073; dipeptidyl peptidase IV-related protein-2 dipeptidylpeptidase 9
Accession No.	Q8BVG4
Uniprot	Q8BVG4
GeneID	224897;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:78.1-5000 pg/mL

Sensitivity:25 pg/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 DPP9 in samples. An antibody specific for DPP9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDPP9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DPP9 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 DPP9 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Dipeptidyl peptidase 9 is a member of the S9B family in clan SC of the serine proteases. The protein has been shown to have post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Although the activity of this protein is similar to that of dipeptidyl peptidase 4 (DPP4), it does not appear to be membrane bound. In general, dipeptidyl peptidases appear to be involved in the regulation of the activity of their substrates and have been linked to a variety of diseases including type 2 diabetes, obesity and cancer. Several transcript variants of this gene have been described but not fully characterized.

Note: This product is for in vitro research use only