

Mouse Prolargin (PRELP) ELISA Kit

Catalog No: #EK8311



Package Size: #EK8311-1 48T #EK8311-2 96T

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Description

Product Name	Mouse Prolargin (PRELP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	MGC45323; MST161; MSTP161; SLRR2A; 55 kDa leucine-rich repeat protein of articular cartilage prolargin proteoglycan proline arginine-rich end leucine-rich repeat protein
Accession No.	Q9JK53
Uniprot	Q9JK53
GenID	116847;
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:Request Information

Sensitivity:Request Information

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 PRELP in samples. An antibody specific for PRELP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRELP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRELP 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 PRELP bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PREPL belongs to the prolyl oligopeptidase subfamily of serine peptidases. Mutations in this gene have been associated with hypotonia-cystinuria syndrome, also known as the 2p21 deletion syndrome. Several alternatively spliced transcript variants encoding either the same or different isoforms have been described for this gene.

The longest deduced protein contains 727 amino acids and has a propeller domain in its N-terminal half and a catalytic domain, including the catalytic triad (ser, asp, his) essential for serine peptidases, in its C-terminal half. In sharp contrast to PREP and oligopeptidase B, which require both amino- and carboxy-terminal sequences for activity, PREPL activity appeared to depend only on the carboxy-terminal domain.

Note: This product is for in vitro research use only