

Mouse Pygopus homolog 1 (PYGO1) ELISA Kit

Catalog No: #EK7881



Package Size: #EK7881-1 48T #EK7881-2 96T

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Description

Product Name	Mouse Pygopus homolog 1 (PYGO1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DKFZp547G0910; pygopus 1 pygopus homolog 1 pygopus-like protein 1
Accession No.	Q9D0P5
Uniprot	Q9D0P5
GeneID	72135;
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:Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate PYGO1 in samples. An antibody specific for PYGO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPYGO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYGO1 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 PYGO1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**WNT signaling controls many fundamental processes during animal development. WNT transduction is mediated by the association of beta-catenin with nuclear TCF DNA-binding factors.Lgs encodes the homolog of human BCL9, and the authors provided genetic and molecular evidence that these proteins exert their function by physically linking Pygo to beta-catenin. The PYGO1 and PYGO2 proteins, which contain 419 and 406 amino acids, respectively, possess a highly conserved PHD finger that interacts with homology domain-1 (HD1) of BCL9. The findings suggested that the recruitment of PYGO permits beta-catenin to transcriptionally activate WNT target genes and raised the possibility that a deregulation of these events may play a causal role in the development of B-cell malignancies.

Note: This product is for in vitro research use only