

Mouse Zinc finger protein 30 homolog (ZFP30) ELISA Kit

Catalog No: #EK5794

Package Size: #EK5794-1 48T #EK5794-2 96T

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Description

Product Name	Mouse Zinc finger protein 30 homolog (ZFP30) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	KIAA0961; ZNF745; zinc finger protein 30 homolog
Accession No.	Q60585
Uniprot	Q60585
GeneID	22693;
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:31.25-2000 pg/mL

Sensitivity:16.5 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

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 ZFP30 in samples. An antibody specific for ZFP30 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyZFP30 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZFP30 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 ZFP30 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Zfp30, a KRAB domain containing zinc finger protein gene, maps to mouse chromosome 7. Zfp30 cDNA probes were used to identify restriction fragment length polymorphisms between C57BL/6J and DBA/2J DNAs. A size variant was identified with KpnI and used to type the BXD recombinant inbred strains (data not shown). The strain distribution pattern was found to be identical to those for the proximal Chromosome (Chr) 7 markers Coh and Xmmv35. This indicates that Zfp30 is within 4.3 cM (at 95% probability) of these two loci. This region of mouse Chr 7 is present on human Chr 19q, suggesting that a human homolog of Zfp30 may map here. It is as yet unclear whether the large number of zinc finger genes present in vertebrate genomes are present mainly as clusters of genes of related function.

Note: This product is for in vitro research use only