

# Mouse Protein dispatched homolog 1 (DISP1) ELISA Kit



Catalog No: #EK10664

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Package Size: #EK10664-1 48T #EK10664-2 96T

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Mouse Protein dispatched homolog 1 (DISP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	DISPA; DKFZp434I0428; FLJ43740; MGC104180; MGC13130; MGC16796; dispatched A
Accession No.	Q3TDN0
Uniprot	Q3TDN0
GeneID	68897;
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 DISP1 in samples. An antibody specific for DISP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDISP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DISP1 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 DISP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The pattern of cellular proliferation and differentiation that leads to normal development of embryonic structures often depends upon the localized production of secreted protein signals. Cells surrounding the source of a particular signal respond in a graded manner according to the effective concentration of the signal, and this response produces the pattern of cell types constituting the mature structure. A novel segment-polarity gene known as dispatched has been identified in *Drosophila* and its protein product is required for normal Hedgehog (Hh) signaling. DISP1 is one of two human homologs of *Drosophila* dispatched and, based on sequence identity to its mouse counterpart, the encoded protein may play an essential role in Hh patterning activities in the early embryo.

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Note: This product is for in vitro research use only