

Mouse Wolframin (WFS1) ELISA Kit

Catalog No: #EK5833



Package Size: #EK5833-1 48T #EK5833-2 96T

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Description

Product Name	Mouse Wolframin (WFS1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ51211; WFRS; WFS; WOLFRAMIN; wolframin
Accession No.	P56695
Uniprot	P56695
GeneID	22393;
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:0.312-20 ng/mL

Sensitivity:0.133 ng/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 WFS1 in samples. An antibody specific for WFS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyWFS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WFS1 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 WFS1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Human WHDC1 expressed in insect cells had an apparent molecular mass of about 100 kD by SDS-PAGE. Western blot analysis detected WHDC1 in most human and mouse organs examined, with highest expression in brain. WHDC1 was also expressed in all cultured cell lines tested. WHDC1 partitioned predominantly in the membrane fraction of COS-7 cells, and it appeared to be a peripheral membrane protein, since high salt or alkaline pH released it into the soluble fraction. Immunohistochemical analysis localized WHDC1 primarily to the perinuclear compartment, near the microtubule-organizing center. In some cells, it also localized to tubulovesicular structures in the cell periphery. WHDC1 colocalized extensively with the cis-Golgi marker GM130 (GOLGA2), but not with medial- or trans-Golgi markers.

Note: This product is for in vitro research use only