

Mouse Exosome complex exonuclease RRP44 (DIS3) ELISA Kit

Catalog No: #EK10675

Package Size: #EK10675-1 48T #EK10675-2 96T

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Description

Product Name	Mouse Exosome complex exonuclease RRP44 (DIS3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DKFZp667L1817; EXOSC11; FLJ10484; KIAA1008; MGC33035; RP11-342J4.3; RRP44; bA555G22.1; dis3p; 2810028N01Rik DIS3 mitotic control exosome component 11 mitotic control protein dis3 homolog
Accession No.	Q9CSH3
Uniprot	Q9CSH3
GeneID	72662;
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 DIS3 in samples. An antibody specific for DIS3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDIS3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DIS3 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 DIS3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**By randomly sequencing clones obtained from a size-fractionated brain cDNA library, Nagase et al. (1999) cloned DIS3, which they designated KIAA1008. The deduced 928-amino acid protein shares 44.5% identity with the mitotic control protein Dis3 of S. pombe. PCR-ELISA detected low to moderate expression in all tissues and brain regions tested, with highest expression in testis and moderate expression in kidney, ovary, corpus callosum, spinal cord, and fetal brain.

By sequence analysis of chromosome 13q21-q22 to identify a breast cancer susceptibility gene, Rozenblum et al. (2002) identified DIS3. The deduced protein contains 958 amino acids. Northern blot analysis detected ubiquitous expression.

Note: This product is for in vitro research use only