

Mouse Tumor necrosis factor receptor superfamily member 12A (TNFRSF12A) ELISA Kit



Catalog No: #EK6234

Orders: order@signalwayantibody.com

Package Size: #EK6234-1 48T #EK6234-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Tumor necrosis factor receptor superfamily member 12A (TNFRSF12A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	CD266; FN14; TWEAKR; type I transmembrane protein Fn14
Accession No.	Q9CR75
Uniprot	Q9CR75
GeneID	27279;
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:125-2000 pg/mL

Sensitivity:50 pg/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 TNFRSF12A in samples. An antibody specific for TNFRSF12A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNFRSF12A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFRSF12A 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 TNFRSF12A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**FN14 protein, which shares 82% amino acid identity with the mouse sequence, contains a signal peptide, an extracellular domain, a membrane-anchoring domain, and a cytoplasmic domain. Northern blot analysis detected increased FN14 expression in response to FGF1, calf serum, or phorbol ester stimulation of human quiescent fibroblasts in vitro. A 1.2-kb FN14 transcript was expressed at high levels in heart, placenta, and kidney, at intermediate levels in lung, skeletal muscle, and pancreas, and at low levels in brain and liver. In addition, elevated FN14 expression was found in human liver cancer cell lines and hepatocellular carcinoma specimens. Expression of mouse Fn14 was upregulated in hepatocellular carcinoma nodules that develop in 2 different transgenic mouse models of hepatocarcinogenesis.

Note: This product is for in vitro research use only