

Mouse Soluble tumor necrosis factor-related apoptosis inducing ligand (sTRAIL) ELISA Kit



Catalog No: #EK6210

Orders: order@signalwayantibody.com

Package Size: #EK6210-1 48T #EK6210-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Soluble tumor necrosis factor-related apoptosis inducing ligand (sTRAIL) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	APO2L; Apo-2L; CD253; TL2; TRAIL; Apo-2 ligand TNF-related apoptosis inducing ligand TRAIL tumor necrosis factor (ligand) family; member 10 tumor necrosis factor apoptosis-inducing ligand splice var
Accession No.	P50592
Uniprot	P50592
GeneID	22035;
Storage	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. 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).

Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:7.81 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:Sandwich Test principle: This assay employs a two-site sandwich ELISA to quantitate TNFSF10 in samples. An antibody specific for TNFSF10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNFSF10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFSF10 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 TNFSF10 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview: This protein is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

Note: This product is for in vitro research use only