

Mouse Tumor necrosis factor ligand superfamily member 12 (TNFSF12) ELISA Kit

Catalog No: #EK6205

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Package Size: #EK6205-1 48T #EK6205-2 96T

Description

Product Name	Mouse Tumor necrosis factor ligand superfamily member 12 (TNFSF12) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	APO3L; DR3LG; MGC129581; MGC20669; TWEAK; APO3/DR3 ligand TNF-related WEAK inducer of apoptosis
Accession No.	O54907
Uniprot	O54907
GeneID	21944;
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:31.25-2000 pg/mL
Sensitivity:7.8 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 TNFSF12 in samples. An antibody specific for TNFSF12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNFSF12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFSF12 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 TNFSF12 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Tumor necrosis factor ligand superfamily member 12 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis.The deduced in-frame fusion protein, which the authors called TWEPRIL, has a calculated molecular mass of 38 kD. TWEPRIL begins at the initiation codon of TWEAK and contains the intracellular, transmembrane, and stalk regions of TWEAK fused to the extracellular receptor-binding domain of APRIL.

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Note: This product is for in vitro research use only