

RMCM047

Recombinant TWEAK (TNF-related weak inducer of apoptosis), Mouse ,AF



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5ug;20ug;100ug;500ug;

Synonym/Alternative name(s):

TNFSF12, DR3LG, Apo3 Ligand, AI255180, C87282, Fn1, Fn14, HPIP, TWEAK-R, Twea, TweakR, Tnfrsf12a

Activity:

Measure by its ability to induce proliferation in HUVEC cells.

The ED50 for this effect is <0.2 µg/mL.

Protein Description:

TWEAK belongs to the TNF family of ligands, and also known as TNFRSF12A through TWEAK receptor signaling. TWEAK widely expresses in a variety of tissues, including the adult heart, pancreas, skeletal muscle, small intestine, spleen and peripheral blood lymphocytes. TWEAK has the ability to trigger activation and chemokine secretion of NF-κB, and to apply an apoptotic activity in certain cells, such as HT-29 human cultured adenocarcinoma cells feeding with IFN-γ. TWEAK also promotes proliferation and migration of endothelial cells.

Protein Accession : Q9CR75.1

Gene ID : 27279

Expression Sequence:

MSAPKGRKARPRRAIAAHYEVHPRPGQDGAQAGVDGTVSGWEETKINSSSPLRYDRQIGFTVIRAGLYLYCQVHFDEGKAVYLKLDL LVNGVLALRCLLEFSATAASSPGPQLRLCQVSGLLPLRPGSSLRIRTLTPWAHLKAAPFLTYFGLFQVH with polyhistidine tag at the C-terminus.

Fusion tag : His-tag?at?the?C-terminus

Species : Mouse

Reactivity : Mouse

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 18.14 kDa

Formulation:

The protein was lyophilized from a solution containing in 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant mouse TWEAK