



Recombinant Protein Technical Manual

Recombinant Mouse FN14/TWEAKR Protein (Fc Tag)

RPES3613

Product Data:

Product SKU: RPES3613

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q9CR75

Protein Information:

Molecular Mass: 32.6 kDa

AP Molecular Mass: 30-40 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Tumor necrosis factor receptor superfamily member 12A;Fibroblast growth factor-inducible immediate-early response protein 14;Fibroblast growth factor-regulated protein 2;Tweak-receptor;TweakR;TNFRSF12

Immunogen Information:

Sequence: Glu28-Trp79

Background:

Tumor necrosis factor receptor superfamily member 12A (Tnfrsf12a) is a single-pass type I membrane protein and contains 1 TNFR-Cys repeat. It is weak inducer of apoptosis in some cell types. It promotes angiogenesis and it is the proliferation of endothelial cells. It may modulate cellular adhesion to matrix proteins. TNFR binds specifically to tumor necrosis factor (TNF) and blocks its interaction with cell surface TNF receptors. TNF is a naturally occurring cytokine that is involved in normal inflammatory and immune responses. It plays an important role in the inflammatory processes of rheumatoid arthritis (RA), polyarticular-course juvenile rheumatoid arthritis (JRA), and ankylosing spondylitis and the resulting joint pathology. In addition, TNF plays a role in the inflammatory process of plaque psoriasis. Elevated levels of TNF are found in involved tissues and fluids of patients with RA, psoriatic arthritis, ankylosing spondylitis (AS), and plaque psoriasis. Two distinct receptors for TNF (TNFRs), a 55 kilodalton protein (p55) and a 75 kilodalton protein (p75), exist naturally as monomeric molecules on cell surfaces and in soluble forms. Biological activity of TNF is dependent upon binding to either cell surface TNFR.