Recombinant Protein Technical Manual

Recombinant Human TNFRSF25/DR3 Protein (aa 25-201, Fc Tag)

RPES2144

Product Data:

Product SKU: RPES2144

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q93038

Protein Information:

Molecular Mass: 46.3 kDa

AP Molecular Mass: 50-55 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by reducing 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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 25;APO3; DDR3; DR3; TNFRSF12; WSL; WSL1;TNFRSF25;Protein WSL;LARD;Protein WSL;Lymphocyte-associated receptor of death;Death receptor 3;Apoptosis-mediating receptor TRAMP;Apoptosis-inducing receptor AIR;Apoptosis-mediating receptor DR3;Apo-3

Immunogen Information:

Sequence: Gln25-Phe201

Background:

Tumor necrosis factor receptor superfamily member 25 (TNFRSF25) contains 1 death domain and 4 TNFR-Cys repeats. TNFRSF25 is a cell surface receptor of the tumor necrosis factor receptor superfamily which mediates apoptotic signalling and differentiation, activated by a monogamous ligand, known as TL1A (TNFSF15), which is rapidly upregulated in antigen presenting cells and some endothelial cells following Toll-Like Receptor or Fc receptor activation. This receptor has been shown to signal both through the TRADD adaptor molecule to stimulate NF-kappa B activity or through the FADD adaptor molecule to stimulate caspase activation and regulate cell apoptosis. It may play a role in regulating lymphocyte homeostasis.