



Recombinant Protein Technical Manual

Recombinant Human CD30/TNFRSF8 Protein (His & Fc Tag)(Active)

RPES2984

Product Data:

Product SKU: RPES2984

Size: 100µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_001234.2

Protein Information:

Molecular Mass: 66.5 kDa

AP Molecular Mass: 130 kDa

Tag: C-His & Fc

Bio-activity: Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD30L at 20 µg/ml (100 µl/well) can bind biotinylated human CD30 with a linear range of 0.31-20 ng/ml.

Purity: > 90 % 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°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 sterile PBS, pH 7.4

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

Application: Functional ELISA

Synonyms: Tumor necrosis factor receptor superfamily member 8; CD30L receptor; Ki antigen; Lymphocyte activation antigen CD30; CD30; TNFRSF8;D1S166E

Immunogen Information:

Sequence: Met 1-Lys 379

Background:

CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor (TNFR) superfamily. CD30 protein is expressed by activated, but not resting, T and B cells. CD30 can regulate proliferation of lymphocytes and may also play an important role in human immunodeficiency virus replication. As a regulator of apoptosis, CD30 protein induces cell death or proliferation, depending on the cell type, and has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. CD30 protein expression is upregulated in various hematological malignancies, including Reed-Sternberg cells in Hodgkin's disease (HD), anaplastic large cell lymphoma (ALCL) and subsets of Non-Hodgkin's lymphomas (NHLs), and CD30 is also linked to leukocytes in patients with chronic inflammatory diseases, including lupus erythematosus, asthma, rheumatoid arthritis and atopic dermatitis (AD).