



Recombinant Protein Technical Manual

Recombinant Mouse CD30/TNFRSF8 Protein (His Tag)

RPES3348

Product Data:

Product SKU: RPES3348

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q60846

Protein Information:

Molecular Mass: 28.4 kDa

AP Molecular Mass: 55-65 kDa

Tag: C-6His

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 8; CD30L receptor; Lymphocyte activation antigen CD30; CD30; Tnfrsf8

Immunogen Information:

Sequence: Phe19-Thr281

Background:

CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family, which regulates proliferation/apoptosis and antibody responses. CD30 is expressed by activated, but not by resting, T and B cells. Aberrant expression of CD30 by mastocytosis mast cells and interaction with its ligand CD30L (CD153) appears to play an important role in the pathogenesis and clinical presentation of systemic mastocytosis. CD30 has been considered as a specific diagnostic biomarker of anaplastic large cell lymphoma (ALCL) and classical Hodgkin lymphoma (cHL). CD30 is also a biomarker used for targeted therapy by an antibody–drug conjugate. Soluble CD30 retains the ability to bind CD30 Ligand and functions as an inhibitor of normal CD30 signaling.