

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



Catalog Number:PKSH031432

Note: Centrifuge before opening to ensure complete recovery of vial contents.

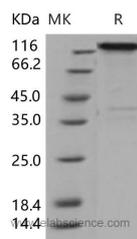
Description

Synonyms	Tumor necrosis factor receptor superfamily member 8; CD30L receptor; Ki-1 antigen; Lymphocyte activation antigen CD30; CD30; TNFRSF8;D1S166E
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Lys 379
Accession	NP_001234.2
Calculated Molecular Weight	66.5 kDa
Observed molecular weight	130 kDa
Tag	C-His & Fc
Bioactivity	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.

Properties

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.

Data



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

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patients with chronic inflammatory diseases, including lupus erythematosus, asthma, rheumatoid arthritis and atopic dermatitis (AD).

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