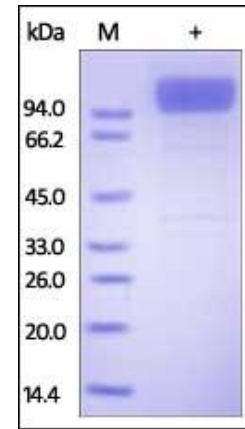


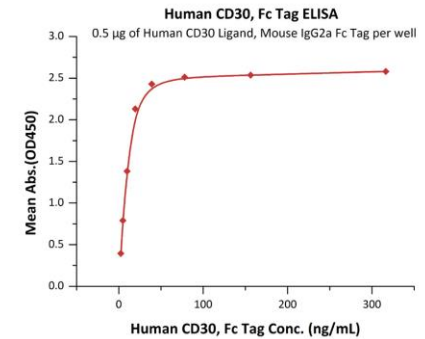
# Human CellExp™ CD30 /TNFRSF8, Fc Tag, Human Recombinant

<b>CATALOG NO:</b>	P1331-10            10 µg P1331-50            50 µg
<b>ALTERNATE NAMES:</b>	TNFRSF8, CD30, D1S166E, Ki-1
<b>SOURCE:</b>	HEK 293 cells (Phe 19 - Lys 379)
<b>PURITY:</b>	> 95% by SDS – PAGE
<b>MOL. WEIGHT:</b>	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 64.6 kDa. The protein migrates as 100-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>ENDOTOXIN LEVEL:</b>	< 1.0 EU per 1µg of protein (determined by LAL method)
<b>FORM:</b>	Lyophilized
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex.
<b>DESCRIPTION:</b>	Human CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family and tumor marker. TNFRSF-8 is expressed by activated, but not by resting, T and B cells. Also, CD30 is expressed on classical Hodgkin Lymphoma cells together with CD15. CD30 is the receptor for TNFSF8/CD30L. CD30 can interact with TRAF2 and TRAF5, and mediate the signal transduction that leads to the activation of NF-kappa-B. TNFRSF8 may play a role in the regulation of cellular growth and transformation of activated lymphoblasts. TNFRSF8 is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity.
<b>SPECIFIC ACTIVITY:</b>	Immobilized Human CD30 Ligand, Mouse IgG2a Fc Tag, low endotoxin at 5 µg/mL (100 µL/well) can bind Human CD30, Fc Tag with a linear range of 2-20 ng/mL.

A



B



**Fig. A.** Human CD30, Fc Tag on SDS-PAGE under reducing (R) condition.

**Fig. B.** Immobilized Human CD30 Ligand, Mouse IgG2a Fc Tag, low endotoxin at 5 µg/mL (100 µL/well) can bind Human CD30, Fc Tag with a linear range of 2-20 ng/mL.

**RELATED PRODUCT:**

- Human CellExp™ CD30 /TNFRSF8, human recombinant (**Cat. No. 7389**)
- Human CellExp™ CD155, human recombinant (**Cat. No. 7462-10, -50**)
- Human CellExp™ CD160/BY55, human recombinant (**Cat. No. 7386-10, -50**)
- Human CellExp™ CD166/ ALCAM, human recombinant (**Cat. No. 7437-10, -50**)
- Human CellExp™ CD172A / SIRP, human recombinant (**Cat. No. 7506-10, -50**)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (**Cat. No. 7370-10, -50**)
- Human CellExp™ CD47, human recombinant (**Cat. No. 7385-10, -50**)
- Human CellExp™ CD55/DAF, human recombinant (**Cat. No. 7432-10, -50**)
- Human CellExp™ CD58 /LFA-3, human recombinant (**Cat. No. 7427-10, -50**)
- Human CellExp™ CD62E/E-Selectin, human recombinant (**Cat. No. 7434-20, -100**)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (**Cat. No. 7279-10, -50**)
- Human CellExp™ CD273, human recombinant (**Cat. No. 7369-10, -50**)
- Human CellExp™ CD36, human recombinant (**Cat. No. 7371-10, -50**)
- Human CellExp™ CD87, human recombinant (**Cat. No. 7372-20, -100**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**