

PE Human CD30 (TNFRSF8) Protein (C-His)

Catalog Number:	804701, 804702
Size:	25 ug, 100 ug
Target Name:	TNFRSF8, CD30, Ki-1
Regulatory Status:	RUO

PRODUCT DETAILS

Application:	Flow Cytometry
Format:	Liquid, PE
Expression Host:	CHO
Species:	Human
Sources:	Recombinant Human CD30 protein (phe19-Lys379) with C-terminus His tag is expressed in CHO cells and conjugated to PE.
Accession Number:	P28908
Molecular Weight:	The protein has a predicted molecular weight of 40 kDa. Under DTT-reducing conditions, it migrates at approximately 50-80 kDa on SDS-PAGE prior to conjugation.
Affinity Tag:	C-His
Formulation:	1xPBS buffer, pH7.4, 0.09% NaN3 with a carrier protein
Endotoxin level:	Not tested
Protein Concentration:	25µg size is bottled at 0.1mg/mL concentration. 100 µg size is bottled at lot specific concentration.
Storage and Handling:	Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2-8°C for up to six months.

BACKGROUND INFORMATION

CD30, also known as TNFRSF8, is a 120 kDa type I transmembrane glycoprotein from the TNF receptor superfamily. It is expressed on activated T, B, and NK cells, but not resting cells. CD30 is cleaved by metalloproteinases into a soluble form and is highly expressed in classical Hodgkin lymphoma and anaplastic large cell lymphoma. It interacts with proteins like TRAF1, TRAF2, and TRAF5, activating NF-κB signaling. This signaling regulates the proliferative potential of autoreactive CD8 T cells and protects against autoimmunity. CD30 is a therapeutic target in lymphoma immunotherapy and plays a role in autoimmune diseases like rheumatoid arthritis.