

Human CD30 Antibody Pair Set

Catalog No.	E-KAB-0417	Applications	ELISA
Synonyms	CD30;D1S166E;Ki-1;TNF receptor superfamily member 8;TNFRSF8;Tumor necrosis factor receptor superfamily member 8		

Kit components & Storage

Title	Specifications	Storage
Human CD30 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human CD30 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

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

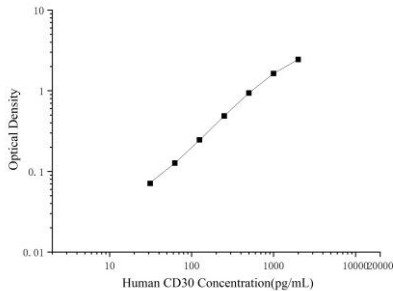
Product Information

Items		Characteristic (E-KAB-0417)	
		Human CD30 Capture Antibody	Human CD30 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CD30 protien	Recombinant Human CD30 protien
	Swissprot	NP_001234.2	
Product details	Reactivity	Human	Human
	Host	Rabbit	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
Specificity	Detects Human CD30 in ELISAs.		

For Research Use Only

Applications

Human CD30 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images												
ELISA Capture	0.5-4 µg/mL	Human CD30 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human CD30 Concentration (pg/mL). The x-axis ranges from 10 to 10,000,000 pg/mL, and the y-axis ranges from 0.01 to 10. The data points form a straight line, indicating a power-law relationship between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human CD30 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>0.8</td> </tr> <tr> <td>10000</td> <td>3.2</td> </tr> <tr> <td>100000</td> <td>12.8</td> </tr> </tbody> </table>	Human CD30 Concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.2	100000	12.8
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10	0.05														
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ELISA Detection	1:1000-1:10000	Human CD30 Detection Antibody (Biotin)													

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. This cytokine was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Two transcript variants encoding different isoforms have been found for this gene.