

## Human sCD40L Antibody Pair Set

**Catalog No.** E-KAB-0177 **Applications** ELISA  
**Synonyms** TNFSF5,CD40LG, CD154, HIGM1, IGM, IMD3, T-BAM, TRAP, Gp39

### Kit components & Storage

Title	Specifications	Storage
Human sCD40L Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human sCD40L Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

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

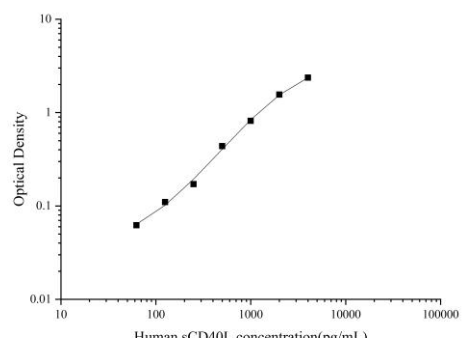
### Product Information

Items		Characteristic (E-KAB-0177)	
		Human sCD40L Capture Antibody	Human sCD40L Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human sCD40L protein	Recombinant Human sCD40L protein
	Swissprot	P29965	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human sCD40L in ELISAs.	

### For Research Use Only

## Applications

### Human sCD40L Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human sCD40L Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human sCD40L concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>100</td><td>0.05</td></tr><tr><td>200</td><td>0.1</td></tr><tr><td>500</td><td>0.3</td></tr><tr><td>1000</td><td>0.6</td></tr><tr><td>2000</td><td>1.2</td></tr><tr><td>5000</td><td>2.5</td></tr></tbody></table>	Human sCD40L concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.3	1000	0.6	2000	1.2	5000	2.5
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ELISA Detection	1:1000-1:10000	Human sCD40L 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 expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome

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