Human LAB7-1 Antibody Pair Set

Catalog No. E-KAB-0677 **Applications** ELISA

Synonyms CD80;CD28LG;CD28LG1;BB1;B7-1 Antigen;T-lymphocyte activation antigen CD80;CTLA-4 counter-receptor B7.1

Kit components & Storage

Title	Specifications	Storage
Human LAB7-1 Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Human LAB7-1 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

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

Product Information

Items		Characteristic (E-KAB-0677)	
		Human LAB7-1 Capture Antibody	Human LAB7-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human LAB7-1 protein	Recombinant Human LAB7-1 protein
	Swissprot	P33681	
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 G	Protein G
	Specificity	Detects Human LAB7-1 in ELISAs.	

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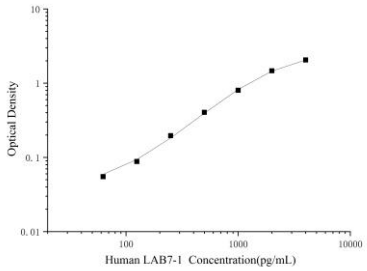
Applications

Human LAB7-1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Human LAB7-1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human LAB7-1 Detection Antibody (Biotin)	

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

Background

CD80,also known as B7-1,B7,and BB1,is a 60 kD single chain type I glycoprotein belonging to the immunoglobulin superfamily. CD80 is expressed on activated B and T cells,macrophages,and dendritic cells. CD80 binds to CD28 and CD152 (CTLA-4). Along with CD86,CD80 plays a critical role in regulation of T cell activation. The interaction of CD80 with CD28 provides a potent costimulatory signal for T cell activation through the CD3 complex,while its interaction with CTLA-4 provides an inhibitory signal for T cell activation.

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