Mouse LAB7-1 Antibody Pair Set

Catalog No. E-KAB-0722 **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
Mouse LAB7-1 Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Mouse 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-0722)	
		Mouse LAB7-1 Capture Antibody	Mouse LAB7-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse LAB7-1 protein	Recombinant Mouse LAB7-1 protein
	Swissprot	Q00609	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	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	Affinity purification	Affinity purification
	Specificity	Detects Mouse LAB7-1 in ELISAs.	

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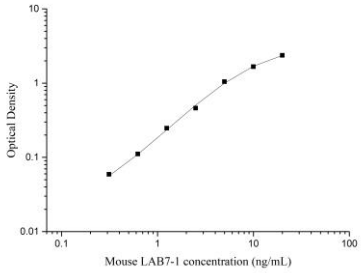
Applications

Mouse LAB7-1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Mouse LAB7-1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse 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 is a 60 kD highly glycosylated protein. It is a member of the Ig superfamily and is also known as B7-1,B7,and Ly-53. CD80 is constitutively expressed on dendritic cells and monocytes/macrophages,and inducibly expressed on activated B and T cells. The ligation of CD28 on T cells with CD80 and CD86 (B7-2) on antigen presenting cells (such as dendritic cells,macrophages,and B cells) elicits co-stimulation of T cells resulting in enhanced cell activation,proliferation,and cytokine production. CD80 appears to be expressed later in the immune response than CD86. CD80 can also bind to CD152,also known as CTLA-4,to deliver an inhibitory signal to T cells.

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