

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 µg	Store at -20°C. Avoid freeze / thaw cycles.
Mouse LAB7-1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C. Avoid freeze / thaw cycles.

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

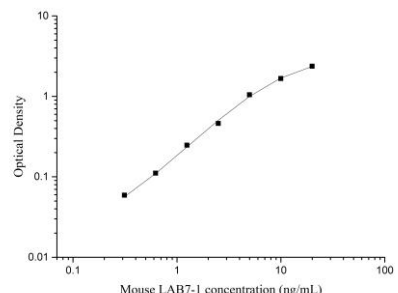
Product Information

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.	

For Research Use Only

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.