Human PD-L1 Antibody Pair Set

Catalog No. E-KAB-0463 **Applications** ELISA
Synonyms CD274;B7-H1;PD-L1;PDCD1L1;PDL1;B7 homolog 1

Kit components & Storage

Title	Specifications	Storage
Human PD-L1 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human PD-L1 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

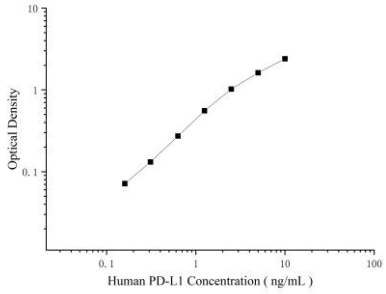
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0463)	
		Human PD-L1 Capture Antibody	Human PD-L1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human PD-L1 protien	Recombinant Human PD-L1 protien
	Swissprot	Q9NZQ7	
Product details	Reactivity	Human	Human
	Host	Mouse	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 PD-L1 in ELISAs.	

Applications

Human PD-L1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human PD-L1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human PD-L1 Detection Antibody (Biotin)	

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

Background

Programmed cell death ligand 1 (CD274;or B7-H1;PD-L1) ;is the first member of B7 family to be discovered. B7 family molecules are type I transmembrane proteins belonging to the immunoglobulin superfamily. In concert with their CD28 family receptors;the B7s are key regulators of the adaptive immune response. CD274 is suggested a negative regulator of T and B cell;and play important role in mediating tolerance of lymphocytes to self-antigens. It also involved in the costimulatory signal;essential for T-cell proliferation and production of IL10 and IFNG;in an IL2-dependent and a PDCD1-independent manner. PD-L1 is a 290 aa transmembrane protein with a calculated molecular weight of 33 kDa;the apparent molecular weight has been reported as 45-70 kDa;suggesting probable glycosylation .