

Mouse CTLA4 Antibody Pair Set

Catalog No.	E-KAB-0330	Applications	ELISA
Synonyms	CD152, CTLA-4, CELIAC3, GRD4, GSE, IDDM12		

Kit components & Storage

Title	Specifications	Storage
Mouse CTLA4 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse CTLA4 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

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

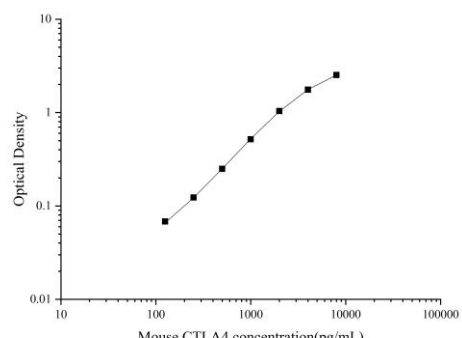
Product Information

Items		Characteristic (E-KAB-0330)	
		Mouse CTLA4 Capture Antibody	Mouse CTLA4 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse CTLA4 protein	Recombinant Mouse CTLA4 protein
	Swissprot	P09793	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse CTLA4 in ELISAs.	

For Research Use Only

Applications

Mouse CTLA4 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Mouse CTLA4 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse CTLA4 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>0.25</td></tr><tr><td>1000</td><td>0.5</td></tr><tr><td>2000</td><td>1.0</td></tr><tr><td>5000</td><td>2.0</td></tr><tr><td>10000</td><td>3.0</td></tr></tbody></table>	Mouse CTLA4 concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.25	1000	0.5	2000	1.0	5000	2.0	10000	3.0
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ELISA Detection	1:1000-1:10000	Mouse CTLA4 Detection Antibody (Biotin)																	

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

Background

CTLA-4, also known as CD152, belonging to the immunoglobulin superfamily, is primarily found on activated T cells and regulatory T cells (Tregs). CTLA-4 is closely related to the T-cell costimulatory CD28, and both molecules bind to B7-1 and B7-2 on antigen-presenting cells. CTLA-4 acts as a negative regulatory molecule of T-cell responses. Besides the full-length transmembrane form, CTLA-4 also exists in a truncated soluble form (sCTLA-4).

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