

Mouse ST2 Antibody Pair Set

Catalog No.	E-KAB-0606	Applications	ELISA
Synonyms	DER4;FIT-1;Growth stimulation expressed gene 2;IL-1R4;IL1RL1;IL33R;ST2		

Kit components & Storage

Title	Specifications	Storage
Mouse ST2 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Mouse ST2 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.

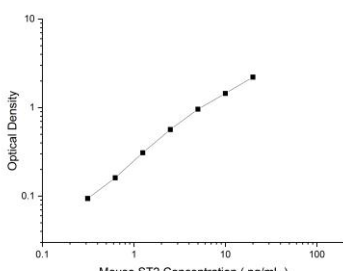
Product Information

Items		Characteristic (E-KAB-0606)	
		Mouse ST2 Capture Antibody	Mouse ST2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse ST2 protien	Recombinant Mouse ST2 protien
	Swissprot	P14719	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse ST2 in ELISAs.	

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Applications

Mouse ST2 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4 µg/mL	Mouse ST2 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse ST2 Concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.1</td></tr><tr><td>0.2</td><td>0.15</td></tr><tr><td>0.5</td><td>0.25</td></tr><tr><td>1</td><td>0.4</td></tr><tr><td>2</td><td>0.6</td></tr><tr><td>5</td><td>1.0</td></tr><tr><td>10</td><td>1.5</td></tr><tr><td>20</td><td>2.0</td></tr></tbody></table>	Mouse ST2 Concentration (ng/mL)	Optical Density	0.1	0.1	0.2	0.15	0.5	0.25	1	0.4	2	0.6	5	1.0	10	1.5	20	2.0
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ELISA Detection	1:1000-1:10000	Mouse ST2 Detection Antibody (Biotin)																			

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

Background

The protein encoded by this gene is a member of the interleukin 1 receptor family. Studies of the similar gene in mouse suggested that this receptor can be induced by proinflammatory stimuli , and may be involved in the function of helper T cells. This gene , interleukin 1 receptor , type I (IL1R1) , interleukin 1 receptor , type II (IL1R2) and interleukin 1 receptor-like 2 (IL1RL2) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. Alternative splicing of this gene results in multiple transcript variants.

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