

Human sST2 Antibody Pair Set

Catalog No.	E-KAB-0189	Applications	ELISA
Synonyms	IL1RL1, DER4, FIT-1, IL33R, ST2, IL-1R4, Growth stimulation expressed gene 2		

Kit components & Storage

Title	Specifications	Storage
Human sST2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human sST2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

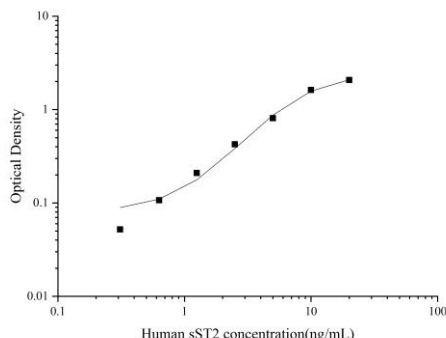
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0189)	
		Human sST2 Capture Antibody	Human sST2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human sST2 protein	Recombinant Human sST2 protein
	Swissprot	Q01638	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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	Protein A	Protein A
	Specificity	Detects Human sST2 in ELISAs.	

Applications

Human sST2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human sST2 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human sST2 concentration (ng/mL). The x-axis ranges from 0.1 to 100 ng/mL, and the y-axis ranges from 0.01 to 10. The data points show a clear upward trend, indicating that as the concentration of Human sST2 increases, the optical density also increases. The curve is smooth and passes through several data points.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human sST2 concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.2</td> <td>0.05</td> </tr> <tr> <td>0.5</td> <td>0.1</td> </tr> <tr> <td>1</td> <td>0.2</td> </tr> <tr> <td>2</td> <td>0.4</td> </tr> <tr> <td>5</td> <td>0.8</td> </tr> <tr> <td>10</td> <td>1.5</td> </tr> <tr> <td>20</td> <td>2.5</td> </tr> </tbody> </table>	Human sST2 concentration (ng/mL)	Optical Density	0.2	0.05	0.5	0.1	1	0.2	2	0.4	5	0.8	10	1.5	20	2.5
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ELISA Detection	1:1000-1:10000	Human sST2 Detection Antibody (Biotin)																	

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

Background

Protein ST2, also known as IL1RL1, is a member of the interleukin 1 receptor family. The gene of ST2 encodes three splice variants: a soluble secreted form, a transmembrane form and a form of undetermined localization. This antibody recognizes at least 80kd, 40kd and 30kd forms in different tissues and cells.