

## Human sST2 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0189	<b>Applications</b>	ELISA
<b>Synonyms</b>	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℃ for one year. Avoid freeze / thaw cycles.
Human sST2 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.

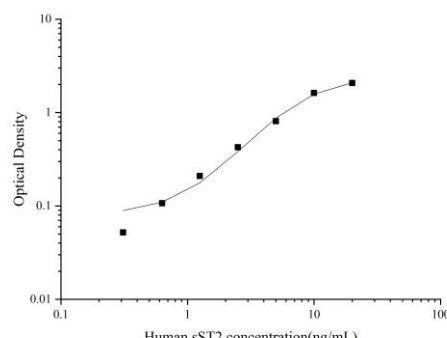
### Product Information

Items		Characteristic (E-KAB-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.	

### For Research Use Only

## Applications

Human sST2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human sST2 Capture Antibody	 <table><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>0.1</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	0.1	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.

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