ST2 Antigen

PRODUCT OVERVIEW

Product Name	ST2, Antigen
Full Product Name	ST2 Antigen >95%
Product Gene Name	ST2 antigen
Host	Mammalian Cell Expression System
Form/Format	Purified Recombinant Antigen 10 mM Phosphate Buffered Saline, pH 7.4
Purity/Purification	>95% by SDS-PAGE
Concentration	1.2mg/ml (lot specific)
Preparation and Storage	?-20 degree C. Avoid repeated freezing and thawing.
Matching Pairs	Antigen: ST2 (MBS569562) Antibody: ST2 (MBS569453)
Matching Pairs	Antigen: ST2 (MBS569562) Antibody: ST2 (MBS569454)
Preservative	0.02% Proclin 300
Product Categories/Family for ST2 antigen	Cardiac Markers
Applications Tested/Suitable for ST2 antigen	Immunogen, Control
Application Notes for ST2 antigen	Matched Pair: MBS569453 or MBS569454
Related Product Information for ST2 antigen	MBS569562 is an antigen targeting ST2. Also known as ST2 Antigen >95%. Host: Mammalian Cell Expression System.
Other Notes	Small volumes of ST2 antigen vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ST2. It may not necessarily be applicable to this product.

NCBI GI #	2217949
NCBI GeneID	9173
NCBI Accession #	BAA20539.1
UniProt Secondary Accession #	Q53TU7; Q8NEJ3; Q9ULV7; Q9UQ44; A8K6B3; B4E0I3
UniProt Related Accession #	Q01638
NCBI Official Full Name	ST2, partial
NCBI Official Synonym Full Names	interleukin 1 receptor like 1
NCBI Official Symbol	IL1RL1

NCBI Official Synonym Symbols	T1; ST2; DER4; ST2L; ST2V; FIT-1; IL33R
UniProt Protein Name	Interleukin-1 receptor-like 1
UniProt Synonym Protein Names	Protein ST2
Protein Family	High affinity sulfate transporter
UniProt Gene Name	IL1RL1
UniProt Synonym Gene Names	DER4; ST2; T1
NCBI Protein Information	interleukin-1 receptor-like 1
NCBI Summary for ST2	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. [provided by RefSeq, Jul 2008]
UniProt Comments for ST2	Receptor for interleukin-33 (IL-33); signaling requires association of the coreceptor IL1RAP. Its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. Possibly involved in helper T-cell function.
Research Articles on ST2	**1.** Patients with heart failure and type 2 diabetes mellitus with AGT TT + MT genotype had a higher level of ST2 and a higher probability of unfavorable cardiovascular events during 24 months of observation compared with MM genotype carriers.
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