

Human ST2 ELISA Kit

Catalog No :	KE1248
Reactivity :	Human
Applications :	ELISA
Gene Name :	IL1RL1
Protein Name :	Interleukin-1 receptor-like 1
Human Gene Id :	9173
Human Swiss Prot No :	Q01638
Mouse Swiss Prot No :	P14719
Specificity :	Sample Type for Cell Culture Supernates, Cell lysates, Tissue Lysates, Serum, EDTA Plasma, Heparin Plasma
Storage Stability :	2-8°C/6 months
Detection Method :	Colorimetric
Background :	<p>function:Receptor for interleukin-33 (IL-33), 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.,similarity:Belongs to the interleukin-1 receptor family.,similarity:Contains 1 TIR domain.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Interacts with MYD88, IRAK1, IRAK4, and TRAF6.,tissue specificity:Highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon and small intestine. Expression of isoform A is prevalent in the lung, testis, placenta, stomach and colon. However, isoform B is more abundant in the brain, kidney and the liver. Isoform C is not detected in brain, heart, liver, kidney and skeletal muscle.,</p>
Function :	<p>defense response, immune response, negative regulation of signal transduction, regulation of protein kinase cascade,negative regulation of cell communication, negative regulation of protein kinase cascade, regulation of I-kappaB kinase/NF-kappaB cascade, negative regulation of I-kappaB kinase/NF-kappaB cascade, innate immune response,</p>

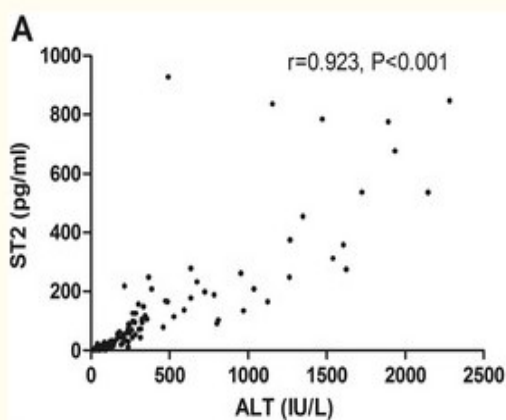
Subcellular Location :

[Isoform C]: Cell membrane.; [Isoform B]: Secreted.; Cell membrane ; Single-pass type I membrane protein .

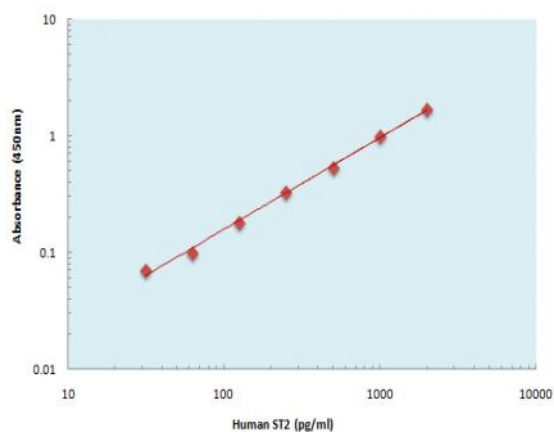
Expression :

Highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon and small intestine. Isoform A is prevalently expressed in the lung, testis, placenta, stomach and colon. Isoform B is more abundant in the brain, kidney and the liver. Isoform C is not detected in brain, heart, liver, kidney and skeletal muscle. Expressed on T-cells in fibrotic liver; at protein level. Overexpressed in fibrotic and cirrhotic liver.

Products Images



Huan, Shu-Ling, et al. "Relevance of serum interleukin-33 and ST2 levels and the natural course of chronic hepatitis B virus infection." BMC infectious diseases 16.1 (2016): 200.



The Human ST2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human ST2 proteins within the range of 32-2000 pg/ml.