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Anti-IL-1RL1 / ST2 / IL-33R Reference Antibody (melrilimab)

Recombinant Antibody
Catalog # APR10605

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q01638
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	63358

Additional Information

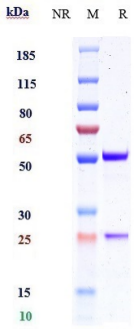
Target/Specificity	IL-1RL1 / ST2 / IL-33R
Endotoxin Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

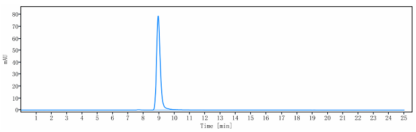
Name	IL1RL1
Synonyms	DER4, ST2, T1
Function	Receptor for interleukin-33 (IL-33) which plays crucial roles in innate and adaptive immunity, contributing to tissue homeostasis and responses to environmental stresses together with coreceptor IL1RAP (PubMed:35238669). Its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. Possibly involved in helper T-cell function (Probable) (PubMed:16286016). Upon tissue injury, induces UCP2- dependent mitochondrial rewiring that attenuates the generation of reactive oxygen species and preserves the integrity of Krebs cycle required for persistent production of itaconate and subsequent GATA3- dependent differentiation of inflammation-resolving alternatively activated macrophages (By similarity).
Cellular Location	[Isoform C]: Cell membrane. Cell membrane; Single-pass type I membrane protein

Tissue Location	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.

Images



Anti-IL-1RL1 / ST2 / IL-33R Reference Antibody (melrilimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-IL-1RL1 / ST2 / IL-33R Reference Antibody (melrilimab) is more than 95%, determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.