Datasheet for ABIN1344266

IL1RL1 Protein (AA 1-328, Isoform 2) (Fc Tag)

1 Image

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Overview

Quantity:	50 µg
Target:	IL1RL1
Protein Characteristics:	Isoform 2, AA 1-328
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL1RL1 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Specificity:	Binds to human IL-33.
Cross-Reactivity:	Human
Characteristics:	Signal peptide and the sequence of isoform 2 of human ST2 (aa 1-328) are fused at the C-terminus to the Fc portion of human IgG1.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

Target Details

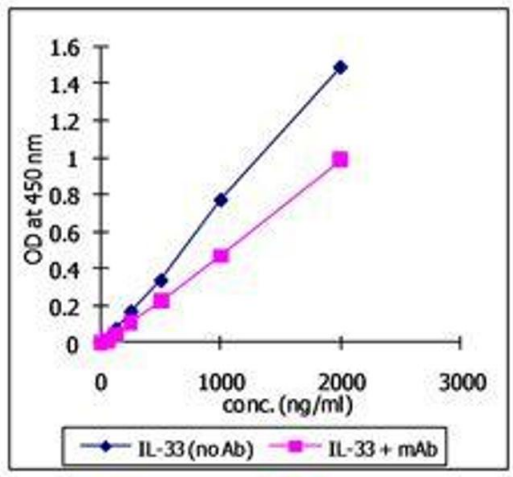
Target:	IL1RL1
Alternative Name:	ST2 (IL1RL1 Products)
Background:	The ST2 (Interleukin-1 receptor-like 1, Interleukin-33 receptor) gene was originally identified as a gene induced by serum or oncogene expression in fibroblasts. The gene produces a shorter soluble secreted form (ST2) and a longer, transmembrane form (ST2L) by alternative splicing. Soluble ST2 has been shown to downregulate the expression of TLR1 and TLR4. ST2L negatively regulates TLR4 signaling and induces endotoxin tolerance, and enhances Th2 responses. IL-33 is the specific ligand for ST2L.
Molecular Weight:	~90kDa (SDS-PAGE)
UniProt:	Q01638

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Interacts with human IL-33.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	0.2μm-filtered solution in PBS, pH 7.2.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Working aliquots are stable for up to 3 months when stored at -20°C.
Expiry Date:	3 months



ELISA

Image 1. Specific interaction of human ST2 with recombinant human IL-33. An indirect competitive ELISA was performed as follows; 1) coat microtiter plate wells with hST2-Fc (10µg/ml); 2) add a varying concentrations of hIL-33 with or without a hIL-33 mAb to the wells followed by washing; 3) add anti-FLAG HRP conjugated (1:2,000) to an enzyme; 4) After adding the TMB solution, incubate at RT in the dark for 10 to 45 minutes. Immediately read the plate at 450 nm.