

ARG66426 anti-IL33R / ST2 antibody [SQab18128]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SQab18128] recognizes IL33R / ST2
Tested Reactivity	Hu
Tested Application	ELISA, FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	SQab18128
Isotype	IgG1, kappa
Target Name	IL33R / ST2
Species	Human
Immunogen	Recombinant Human IL33R / ST2 protein.
Conjugation	Un-conjugated
Alternate Names	IL33R; DER4; ST2V; T1; Interleukin-1 receptor-like 1; FIT-1; ST2; ST2L; Protein ST2

Application Instructions

Application table	Application	Dilution
	ELISA	1:3000 - 1:10000
	FACS	1:400 - 1:1000
	ICC/IF	1:400 - 1:1000
	IHC-P	Assay-dependent
	WB	1:2500 - 1:5000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

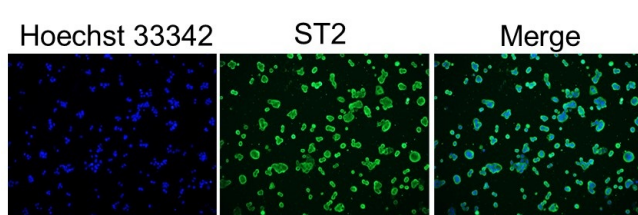
Properties

Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4) and 0.01% Thimerosal.
Preservative	0.01% Thimerosal
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

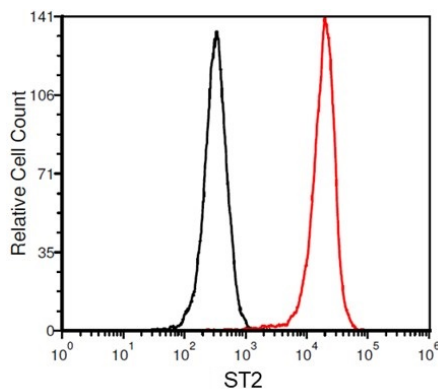
Gene Symbol	IL1RL1
Gene Full Name	interleukin 1 receptor-like 1
Background	The protein encoded by this gene is a member of the interleukin 1 receptor family. Studies of the similar gene in mouse suggested that this receptor can be induced by proinflammatory stimuli, and may be involved in the function 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]
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. [UniProt]
Calculated Mw	63 kDa
Cellular Localization	Isoform C: Cell membrane. Isoform B: Secreted. Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



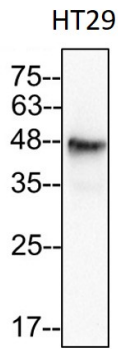
ARG66426 anti-IL33R / ST2 antibody [SQab18128] ICC/IF image

Immunofluorescence: HT29 cells were fixed in 4% PFA, permeabilized with PBS containing 0.1% Triton X-100. Cells were stained with ARG66426 anti-IL33R / ST2 antibody [SQab18128] (green) at 1:400 and cell nuclei were stained with Hoechst 33342 (blue).



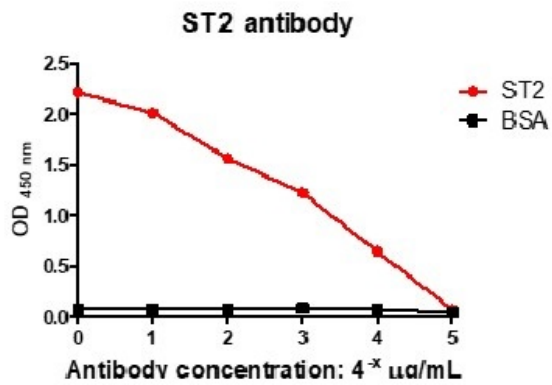
ARG66426 anti-IL33R / ST2 antibody [SQab18128] FACS image

Flow Cytometry: HT29 cells were stained with ARG66426 anti-IL33R / ST2 antibody [SQab18128] at 1 µg/ml (red) and without antibody control (black).



ARG66426 anti-IL33R / ST2 antibody [SQab18128] WB image

Western blot: 50 µg of HT29 cell lysate were stained with ARG66426 anti-IL33R / ST2 antibody [SQab18128] at 1:2000 dilution.



ARG66426 anti-IL33R / ST2 antibody [SQab18128] ELISA image

ELISA: Titration curve of ARG66426 anti-IL33R / ST2 antibody [SQab18128]. Red: ST2; Black: BSA (negative control).