Datasheet for ABIN5564243

anti-IL1RL1 antibody (Atto 647N)

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Overview

Quantity:	100 tests
Target:	IL1RL1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL1RL1 antibody is conjugated to Atto 647N
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human soluble ST2.
Specificity:	Recognizes endogenous ST2 by Flow Cytometry.
Cross-Reactivity:	Human

Target Details

Target:	IL1RL1
Alternative Name:	ST2 (IL1RL1 Products)
Background:	ST2 is a member of the Toll/IL-1 receptor family. Two forms of the protein exist, a soluble form known as ST2 and a membrane anchored form known as ST2L. The membrane form is expressed by Th2 cells and bone marrow derived mast cells, whereas the soluble form is expressed by serum-stimulated fibroblasts. It binds IL-33 and is structurally similar to IL-1R1. Type 2 innate lymphoid cells (ILC2), originally referred to as natural helper (NH) cells, are a

Target Details

	novel target of IL-33. Lung ILC2s participate in the induction of airway inflammation in influenza virus-infected mice and papain-administrated mice. Soluble ST2 plays a role in protecting ILC2 from IL-33 stimulation and thereby maintaining them in a naive state and might be important for the regulation of several disease. Blocking with anti-ST2 antibodies has been shown to alleviate experimental arthritis and airway inflammation. The IL-33-ST2 axis is is involved across a range of diseases including asthma, allergies, obesity and cardiac disease.
UniProt:	Q01638

Application Details

Comment:	New ATTO-fluorescent antibodies show increased photostability, outstanding brightness and intense signals. ATTO dyes are thermally stable, resistant to environmental changes and show no significant isomerization. ATTO 647N shows red fluorescence (lambdaabs (max): 645nm, lambdaem (max): 669nm, epsilonmax: 120'000).
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: +4°C Keep conjugated formats at +4°C. Stable for at least 1 year after receipt when stored at +4°C.
Expiry Date:	12 months