# **Elabscience**®

### FITC Anti-Human CD329 Antibody[K8]

#### Catalog Number: AN00319C

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human
Host	Mouse
Isotype	Mouse lgG1, к
Clone No.	K8
Isotype Control	FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C]
Conjugation	FITC
Conjugation Information	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical
	filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Applications	Recommended usage
FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount
	of the reagent is suggested to be used 5 $\mu L$ of antibody per test (million cells in 100
	$\mu$ L staining volume or per 100 $\mu$ L of whole blood). Please check your vial before the
	experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of normal human peripheral blood cells with FITC Anti-Human CD329(Siglec-9) Antibody[K8] (filled gray histogram) or FITC Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the granulocytes gate were used for analysis.

Preparation & Storage	
Storage	Keep as concentrated solution.
	This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag
Antigen Information	
Alternate Names	Siglec-9;Sialic acid-binding Ig-like lectin-9
Uniprot ID	Q9Y336

### For Research Use Only

Toll-free: 1-888-852-8623 Web:<u>w w w .elabscience.com</u>

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Gene ID Background

#### 27180

Siglecs are cell surface receptors belonging to the immunoglobulin superfamily that recognize sugar antigens. The extracellular domain of siglec-9 contains an IgV region, which binds sialic acid, followed by two IgC regions. Siglec 9 and siglec 6-8,10-12 are CD33 (siglec 3) like siglecs, which have two ITIMs in the cytoplasmic tails, suggesting their functional involvement in signal transduction. It is highly expressed on neutrophils and monocytes, and at lower levels on the subpopulations of T and B lymphocytes and NK cells. Siglec-9 plays a role in negative regulation of T cell activation, and it also affects neutrophil apoptosis.

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