

PE anti-mouse CD289 (TLR9) Antibody

Catalog# / Size	159103 / 25 µg 159104 / 100 µg
Clone	S18025A
Regulatory Status	RUO
Isotype	Rat IgG1, κ
Description	TLR9 is a member of the toll-like receptor family that aids in recognition of pathogen associated molecular patterns (PAMPs). TLR9 recognizes unmethylated CpG sequences in DNA (ie. intracellular bacteria and DNA viruses). TLR9 signals through the MyD88 pathway leading to inflammatory cytokine production, especially production of type I interferons by pDCs.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Proprietary
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze .
Application	ICFC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
RRID	AB_2876552 (BioLegend Cat. No. 159103) AB_2876552 (BioLegend Cat. No. 159104)

Antigen Details

Distribution	B cells, Dendritic cells, pDCs
Cell Type	B cells, Dendritic cells
Biology Area	Bacterial proteins and Toxins, Immuno-Oncology, Immunology, Innate Immunity
Molecular Family	CD Molecules, Innate Immune Signaling, Toll Like Receptors
Antigen References	<ol style="list-style-type: none">1. Onji M, <i>et al.</i> 2013. <i>Nat. Commun.</i> DOI: 10.1038/ncomms29492. Krug A, <i>et al.</i> 2001. <i>Eur J Immunol.</i> 10:3026-37.
Gene ID	81897

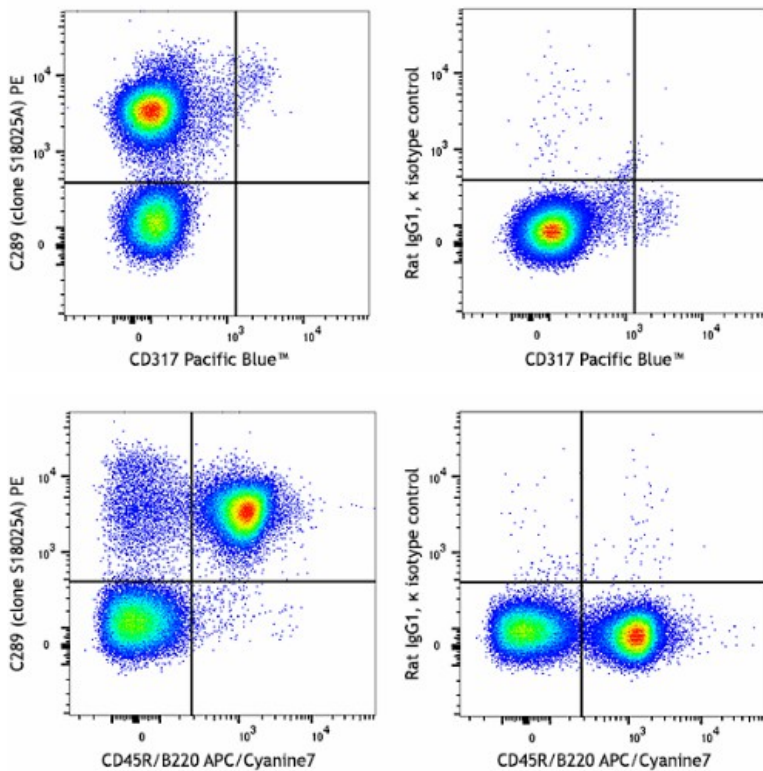
Related Protocols

[Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse CD289 (TLR9), PE anti-mouse CD289 (TLR9), FITC anti-mouse CD289 (TLR9), APC anti-mouse CD289 (TLR9)

Product Data



C57BL/6 mouse splenocytes were stained with CD317 Pacific Blue™, fixed, permeabilized and intracellularly stained with CD289 (TLR9) (clone S18025A) PE (left) or rat IgG1, κ isotype control PE (right).

C57BL/6 mouse splenocytes were stained with CD45R/B220 APC/Cyanine7, fixed, permeabilized and intracellularly stained with CD289 (TLR9) (clone S18025A) PE (left) or rat IgG1, κ isotype control PE (right).

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