

APC anti-human CD289 (TLR9)

Catalog # / 2574035 / 25 tests
Size: 2574040 / 100 tests

Clone: S16013D

Isotype: Rat IgG2a, κ

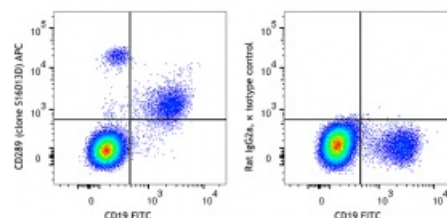
Immunogen: CD289 (TLR9)

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



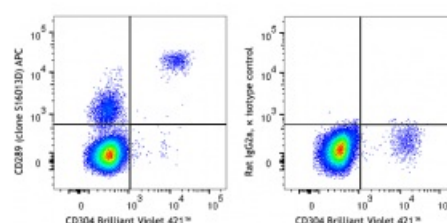
Human peripheral blood mononuclear cells were stained with CD304 Brilliant Violet 421™ and CD19 FITC, fixed, permeabilized, and then intracellularly stained with CD289 (clone S16013D) APC (left) or Rat IgG2a, κ APC isotype control (right). Dot plots exclude monocytes.

Applications:

Applications: Flow Cytometry, Intracellular Flow Cytometry

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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood. Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

Application Notes: S16013D clone can be used for both surface and intracellular detection of TLR9. ICFC compatible with both the [intracellular flow cytometric staining](#) and [True-Nuclear™ transcription buffer set](#). Does not work for WB (tested on Daudi cell line).



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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.

Antigen
References:

1. Hornung V, et al. 2002. *J. Immunol.* 168:4531.
2. Eaton-Bassiri A, et al. 2004. *Infect. Immun.* 72:7202.
3. Krieg, A. 2007. *J. Clin. Invest.* 117:1184.