

Brilliant Violet 421™ anti-human CD288 (TLR8)

Catalog # / Size: 2577545 / 25 tests
2577550 / 100 tests

Clone: S16018A

Isotype: Mouse IgG2a, κ

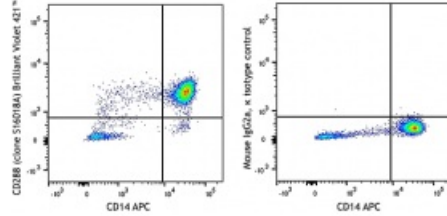
Immunogen: Human TLR8-transfected cells

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions.

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

Concentration: Lot-specific



Human peripheral blood monocytes were stained with CD14 APC, treated with Fixation Buffer (Cat. No. 2704005) and Permeabilization Wash Buffer (Cat. No. 2705010), and then stained with CD288 (TLR8) (clone S16018A) Brilliant Violet 421™ (left) or mouse IgG2a, κ Brilliant Violet 421™ isotype control (right). Data shown is gated on the monocyte population.

Applications:

Applications: Intracellular Staining for 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. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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Description: Toll-like receptor (TLR) 8, also known as CD288, is a 83 kDa, type 1 transmembrane protein, member of the TLR receptor family. TLR8 is expressed intracellularly in monocytes, macrophages and myeloid dendritic cells, and plays an important role in the innate immune response by binding single-stranded RNA (ssRNA). TLR8 triggers anti-viral responses promoting the secretion of proinflammatory cytokines such as IL-12 and TNF.

Antigen
References:

1. Lood C, *et al.* 2017. *J Exp Med.* 214:2103.
2. Prinz N, *et al.* 2011. *Blood.* 118:2322.
3. Gringhuis SI, *et al.* 2010. *Nat Immunol.* 11:1419.
4. Cros J, *et al.* 2010. *Immunity.* 33:375.
5. Peng G, *et al.* 2005. *Science.* 309:1380.