SONY

Product Data Sheet

Brilliant Violet 421™ anti-human CD200R

Catalog # / Size: 2246570 / 100 tests
2246565 / 25 tests

Clone: OX-108

Isotype: Mouse IgG1, κ

Immunogen: Human CD200R full length fusion protein

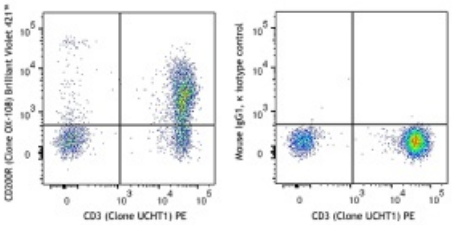
Reactivity: Human, Non-human primate

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).

Workshop Number: HCDM listed

Concentration: Lot-specific



Human perpipheral blood lymphocytes were stained with CD3 (clone UCHT1) PE and CD200R (clone OX-108) Brilliant Violet 421™ (left) or Mouse IgG1, κ Brilliant Violet 421TM isotype control (right).

Applications:

Applications: Flow Cytometry

Recommended Usage: 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.

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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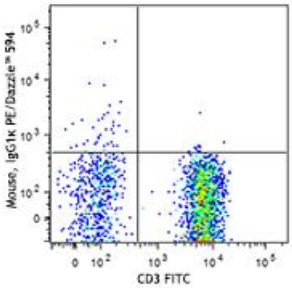

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Application Notes: Additional reported applications (for the relevant formats) include: The 5E8/CXCR2 antibody is useful for immunofluorescent staining and flow cytometric analysis of CXCR2 expression.

Application References:

1. Wright GJ, *et al.* 2003. *J. Immunol.* 171:3034.

Description: CD200R, also known as OX2R, is a membrane glycoprotein with up to 70% of its weight derived from N-linked glycosylation. CD200R is expressed primarily by monocytes and neutrophils, but also by other leukocytes including T cells and mast cells. The interaction between CD200 and CD200R may contribute to pathways that suppress and limit macrophage induced inflammatory damage in tissues.

Antigen References:

1. Wright GJ, *et al.* 2003. *J. Immunol.* 171:3034.
2. Gorczynski R, *et al.* 2004. *J. Immunol.* 172:7744.

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