SONY

Product Data Sheet

Spark NIR™ 685 anti-mouse CD198 (CCR8)

Catalog # / Size: 1351620 / 100 µg
1351615 / 25 µg

Clone: SA214G2

Isotype: Rat IgG2b, κ

Immunogen: Mouse CD198 (CCR8)-transfected cells

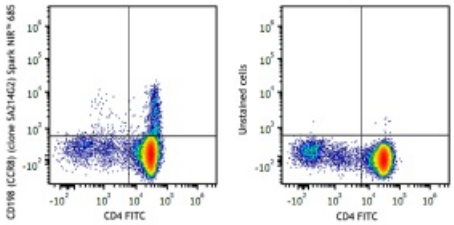
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Spark NIR™ 685 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Workshop Number: 750 under optimal conditions.

Concentration: 0.5



C57BL/6 mouse thymocytes were stained with anti-mouse CD4 FITC and anti-mouse CD198 (CCR8) (clone SA214G2) Spark NIR™ 685 (left) or CD4 FITC only (right).

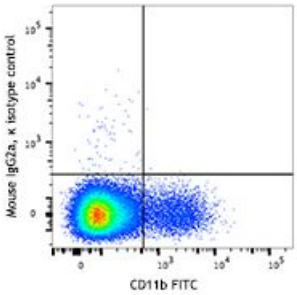
Applications:

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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Spark NIR™ 685 has a maximum excitation of 665 nm and a maximum emission of 685 nm.

Application Notes: Additional reported applications (for the relevant formats of this clone) include: blocking of Fc?RIV function[1] and inhibition of immune complex binding[1,2].



C57BL/6 mouse bone marrow cells were stained with CD150 (SLAM) (clone TC15-12F12.2) APC/Fire™ 750 (filled histogram) or rat IgG2a, κ APC/Fire™ 750 isotype control (open histogram).

Application References:

1. Mancardi DA, *et al.* 2008. *J. Clin. Invest* 118:3738. (FC, Block)
2. Nimmerjahn F, *et al.* 2005. *Immunity* 23:41.

Description: C-C chemokine receptor type 8 (CCR8) CD198, is a 41 kD G-protein coupled receptor with 7 transmembrane regions. CCR8 is expressed by a subset of thymocytes, Tregs, NKT and Th2-polarized cells, a subset of macrophages, monocytes, and monocyte-derived dendritic cells. CCR8 mediates chemotaxis toward its ligand CCL1, and is involved in apoptosis of thymocytes.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com

Antigen References:

1. Coghill JM, *et al.* 2013. *Blood.* 122:825.
2. Islam SA, *et al.* 2011. *Nat Immunol.* 12:167.
3. Hoshino A, *et al.* 2007. *J Immunol.* 178:5296.
4. Qu C, *et al.* 2004. *J Exp Med.* 200:1231.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.