SONY

Product Data Sheet

Alexa Fluor® 647 anti-mouse IgD

Catalog # / Size: 2628540 / 100 µg
2628535 / 25 µg

Clone: 11-26c.2a

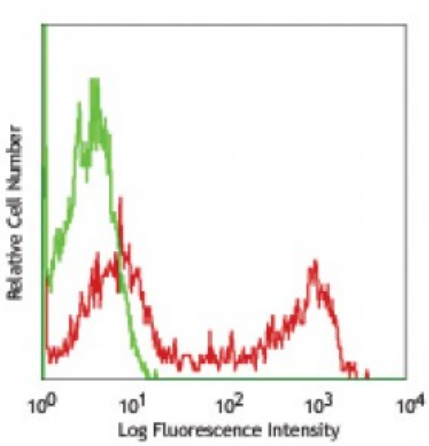
Isotype: Rat IgG2a, κ

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

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

Concentration: 0.5



C57BL/6 splenocytes stained with 11-26c.2a Alexa Fluor® 647

Applications:

Applications: Flow Cytometry, Immunohistochemistry

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 ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

Application Notes: The 11-26c.2a antibody reacts with immunoglobulin D in all tested mouse haplotypes. The antibody binds membrane IgD expressed on most B cells. The 11-26c.2a antibody neither induces proliferation of splenic B cells nor induces B cell activation. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections[2,3].

Application References:

1. Nitschke L, *et al.* 1993. *P. Natl. Acad. Sci. USA* 90:1887. (FC)
2. Weih D, *et al.* 2001. *J. Immunol.* 167:1909. (IHC)
3. Koni PA, *et al.* 2001. *J. Exp. Med.* 193:741. (IHC)
4. Ahuja A, *et al.* 2007. *J. Immunol.* 179:3351. (FC) PubMed
5. Haynes NM, *et al.* 2007. *J. Immunol.* 179:5099. (FC)
6. Good-Jacobson KL, *et al.* 2010. *Nat. Immunol.* 11:535. (FC) PubMed
7. Tomayko MM, *et al.* 2010. *J. Immunol.* 185:7146. PubMed
8. Park SY, *et al.* 2013. *J. Immunol.* 190:1094. PubMed
9. Lindner JM, *et al.* 2013. *Mol Cell Biol.* 33:4628. PubMed
10. Dahlgreen MW, *et al.* 2015. *J Immunol.* 194:5187. PubMed

Description: Surface IgD is an important B cell differentiation marker.