

Spark NIR™ 685 anti-mouse IgD

Catalog # / Size: 2628745 / 25 µg
2628750 / 100 µg

Clone: 11-26c.2a

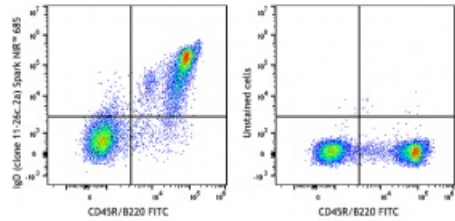
Isotype: Rat IgG2a, κ

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

Concentration: 0.5 mg/mL



C57BL/6 splenocytes were stained with anti-mouse CD45R/B220 FITC and anti-mouse IgD (clone 11-26c.2a) Spark NIR™ 685 (left) or anti-mouse CD45R/B220 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: 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. Rouaud P, *et al.* 2014. *J Exp Med.* 211:975. [PubMed](#)

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