

Spark NIR™ 685 Mouse IgG1, κ isotype Ctrl**Catalog # /** 2612020 / 100 tests**Size:** 2612015 / 25 tests**Clone:** MOPC-21**Isotype:** Mouse IgG1, 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 and 0.2% (w/v) BSA (origin USA)**Concentration:** Lot-specific**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. 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) include: Intracellular Flow Cytometry (ICFC), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blotting (WB), Functional Assay (FA)**Application References:**

1. Carlsten M, *et al.* 2007. *Cancer Res.* 67:1317. [PubMed](#)
2. Smed-Sörensen A, *et al.* 2008. *Blood* 111:5037. [PubMed](#) (FA)
3. Bunesmann MM, *et al.* 2011. *Am. J. Respir. Cell. Mol. Biol.* Epub. [PubMed](#)
4. Matsuyama T, *et al.* 2005. *Infect. Immun.* 73:1044. (IF)
5. Correia DV, *et al.* 2011. *Blood* 118:992. (FC) [PubMed](#)
6. Lian IA, *et al.* 2011. *Placenta.* 32:823. [PubMed](#)
7. Bufe B, *et al.* 20015. *J Biol Chem.* 290:7369. [PubMed](#)

Description: The MOPC-21 immunoglobulin has unknown specificity. The isotype of this antibody is mouse IgG1, κ. This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.