SONY

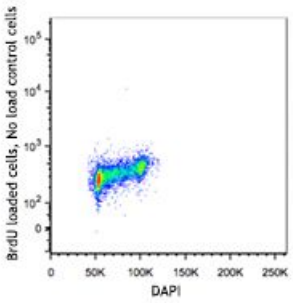
Product Data Sheet

Spark NIR™ 685 Mouse IgG2a, κ Isotype Ctrl

Catalog # / Size:	2601490 / 100 tests 2601485 / 25 tests
Clone:	MOPC-173
Isotype:	Mouse IgG2a, κ
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 BSA (origin USA)
Workshop Number:	HCDM listed
Concentration:	Lot-specific

Applications:

Applications:	Flow Cytometry, Intracellular Staining for 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. Luckashenak NA, *et al.* 2006. *J. Immunol.* 177:5177.
2. Burman AC, *et al.* 2007. *Blood* 110:1064.
3. Goo SY, *et al.* 2007. *J. Biol. Chem.* doi:10.1074/jbc.M701876200.
4. Podolin PL, *et al.* 2008. *J. Immunol.* 180:7989. PubMed
5. Ohno Y, *et al.* 2013. *J Biochem.* 154:355. PubMed

Description: The MOPC-173 immunoglobulin has unknown specificity. The isotype of this antibody is mouse IgG2a, 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.

Antigen References:
1. Dundas CM, *et al.* 2013. *Appl. Microbiol. Biotechnol.* 97:9343.
2. Zhao X, *et al.* 2013. *J. Anal. Methods Chem.* 2013:581093.
3. Kaplan DL, *et al.* 1999. *Biomol. Eng.* 16:135.
4. Wilbur DS, *et al.* 1999. *Biomol. Eng.* 16:113.
5. Sano T, *et al.* 1998. *J. Chromatogr. B. Biomed. Sci. Appl.* 715:85.