

**Alexa Fluor® 700 Mouse IgG2a, κ Isotype Ctrl**

**Catalog # / Size:** 2601240 / 100 µg  
2601235 / 25 µg

**Clone:** MOPC-173

**Isotype:** Mouse IgG2a, κ

**Preparation:** The immunoglobulin was purified by affinity chromatography, and conjugated with Alexa Fluor® 700 under optimal conditions.

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

**Concentration:** 0.5

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** This reagent is developed for immunofluorescent staining for flow cytometric analysis as negative control. Use at concentrations comparable to those of the specific antibody of interest. It is highly recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633nm / 635nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

**Application Notes:** The MOPC-173 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, and immunofluorescence microscopy. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 400224) as negative control. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400264) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

**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.