

## Ultra-LEAF™ Purified Mouse IgG2a, κ Isotype Ctrl Antibody

<b>Catalog# / Size</b>	401507 / 100 µg 401508 / 1 mg 401509 / 5 mg 401510 / 25 mg 401511 / 50 mg 401512 / 100 mg
<b>Clone</b>	MG2a-53
<b>Regulatory Status</b>	RUO
<b>Isotype</b>	Mouse IgG2a, κ
<b>Description</b>	The isotype of MG2a-53 immunoglobulin 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.

### Product Details

---

<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Trinitrophenol + KLH
<b>Formulation</b>	0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.01 EU/µg of the protein (<0.001 ng/µg of the protein) as determined by the LAL test.
<b>Preparation</b>	The Ultra-LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.
<b>Concentration</b>	The antibody is bottled at the concentration indicated on the vial, typically between 2 mg/mL and 3 mg/mL. Older lots may have also been bottled at 1 mg/mL. To obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C. This Ultra-LEAF™ solution contains no preservative; handle under aseptic conditions.
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">ICFC, WB, IP, ICC, IHC, FA - Reported in the literature, not verified in house</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis as negative control. Use at concentrations comparable to those of the specific antibody of interest. Use our <a href="#">Concentration Lookup tool to find the exact concentrations of your lots of product</a> .
<b>Application Notes</b>	Additional reported applications (for the relevant formats) include: Western blotting, immunoprecipitation, immunocytochemistry, immunohistochemistry, and functional assay. The Ultra-LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. Nos. 401507-401512).
<b>Application References</b>	1. Bhattacharyya S, <i>et al.</i> 2007. <i>Am. J. Physiol. Gastrointest Liver Physiol.</i> doi:10.1152/ajpgi.00149. 2. Lee H, <i>et al.</i> 2014. <i>Invest. Ophthalmol. Vis. Sci.</i> 55:2885. <a href="#">PubMed</a> 3. Baker GF, <i>et al.</i> 2014. <i>Cancer Res.</i> 74:5079. <a href="#">PubMed</a>
<b>(PubMed link indicates BioLegend citation)</b>	

### Antigen Details

---

<b>Gene ID</b>	NA
----------------	----

### Other Formats

---

Purified Mouse IgG2a, κ Isotype Ctrl, Go-ChIP-Grade™ Purified Mouse IgG2a, κ Isotype Ctrl, Ultra-LEAF™ Purified Mouse IgG2a, κ Isotype Ctrl

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 [www.biolegend.com](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587