

## Purified Mouse IgG2b, κ Isotype Ctrl Antibody

<b>Catalog# / Size</b>	401201 / 50 µg 401202 / 500 µg
<b>Clone</b>	MG2b-57
<b>Regulatory Status</b>	RUO
<b>Isotype</b>	Mouse IgG2b, κ
<b>Description</b>	The isotype of MG2b-57 immunoglobulin is mouse IgG2b,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

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<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Trinitrophenol + KLH
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The immunoglobulin was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	The immunoglobulin solution should be stored undiluted between 2°C and 8°C
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">ChIP - Verified</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, and the purity is greater than 95% by SDS-PAGE. Use at concentrations comparable to those of the specific antibody of interest.
<b>Application Notes</b>	Additional reported applications (for the relevant formats) include: Intracellular flow cytometry, Western blotting, immunoprecipitation, immunocytochemistry, immunohistochemistry, 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. 401215-401220) as negative control.
<b>Application References</b> (PubMed link indicates BioLegend citation)	1. Magatti M, <i>et al.</i> 2008. <i>Stem Cells</i> 26:182. (FC) <a href="#">PubMed</a>
<b>Product Citations</b>	1. Peláez R, <i>et al.</i> 2017. <i>PLoS One.</i> 10.1371/journal.pone.0181579. <a href="#">PubMed</a> 2. Bennett FC, <i>et al.</i> 2018. <i>Neuron.</i> 98:1170. <a href="#">PubMed</a> 3. Hutt M, <i>et al.</i> 2018. <i>Oncotarget.</i> 9:11322. <a href="#">PubMed</a> 4. Minnella AM, <i>et al.</i> 2018. <i>Sci Rep.</i> 8:17522. <a href="#">PubMed</a> 5. Lu F, <i>et al.</i> 2018. <i>Exp Neurol.</i> 299:65. <a href="#">PubMed</a> 6. Eichin D, <i>et al.</i> 2015. <i>PLoS One.</i> 10: 0134721. <a href="#">PubMed</a> 7. Tsoi LC, <i>et al.</i> 2020. <i>JCI Insight.</i> 5:00. <a href="#">PubMed</a>
<b>RRID</b>	AB_2744505 (BioLegend Cat. No. 401201)

### Antigen Details

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<b>Gene ID</b>	NA
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## Related Protocols

[BioLegend's Tools for Chromatin Immunoprecipitation \(ChIP\) Assays - Video](#)

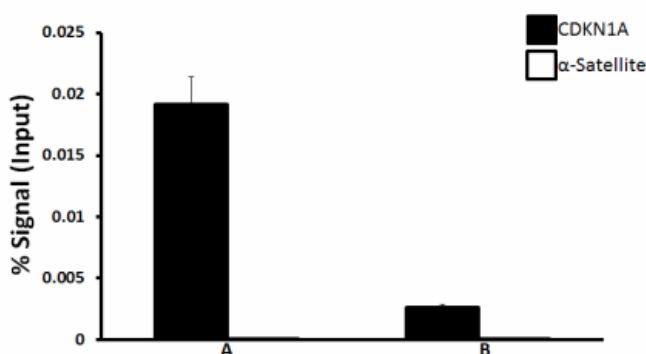
[Chromatin Immunoprecipitation \(ChIP\) Assay Protocol](#)

## Other Formats

Purified Mouse IgG2b,  $\kappa$  Isotype Ctrl, Biotin Mouse IgG2b,  $\kappa$  Isotype Ctrl, FITC Mouse IgG2b,  $\kappa$  Isotype Ctrl, PE Mouse IgG2b,  $\kappa$  Isotype Ctrl, APC Mouse IgG2b,  $\kappa$  Isotype Ctrl, Go-ChIP-Grade™ Purified Mouse IgG2b,  $\kappa$  Isotype Ctrl, Ultra-LEAF™ Purified Mouse IgG2b,  $\kappa$  Isotype Ctrl

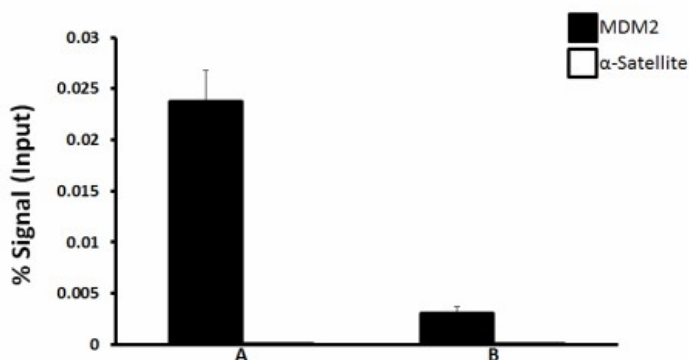
## Product Data

### Go-ChIP-Grade™ Purified Mouse IgG2b, $\kappa$ Isotype Control Antibody



Chromatin Immunoprecipitations (ChIP) were performed with cross-linked chromatin samples from  $4 \times 10^6$  HaCaT cells with either A) 1:100 dilution of Go-ChIP-Grade™ Purified anti-TP63 (clone W15093A, Cat. No. 687203) or B) equal amount of Go-ChIP-Grade™ Purified Mouse IgG2b,  $\kappa$  isotype control antibody (clone MG2b-57, Cat. No. 401213) by using Go-ChIP-Grade™ Protein G Enzymatic Kit (Cat. No. 699904). The enriched DNA was purified and quantified by real-time qPCR using primers targeting human CDKN1A gene region and  $\alpha$ -Satellite repeats. The amount of immunoprecipitated DNA in each sample is represented as signal relative to total amount of input chromatin.

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