

## Go-ChIP-Grade™ Purified Mouse IgG2b, κ isotype Ctrl Antibody

<b>Catalog# / Size</b>	400375 / 25 µg 400376 / 100 µg
<b>Clone</b>	MPC-11
<b>Regulatory Status</b>	RUO
<b>Isotype</b>	Mouse IgG2b, κ
<b>Description</b>	The MPC-11 immunoglobulin has unknown specificity. 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>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<b>Application</b>	<a href="#">ChIP - Quality tested</a> <a href="#">FC - Verified</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by ChIP assay as negative control. 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 (ICFC), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blotting (WB), Functional Assay (FA).
<b>Application References</b> (PubMed link indicates BioLegend citation)	1. Smed-Sørensen A, <i>et al.</i> 2008. <i>Blood</i> 111:5037. (FA) <a href="#">PubMed</a> 2. Podolin PL, <i>et al.</i> 2008. <i>J. Immunol.</i> 180:7989. (FC) <a href="#">PubMed</a>
<b>Product Citations</b>	1. Cao Y, <i>et al.</i> 2019. <i>Nat Commun.</i> 10:1280. <a href="#">PubMed</a>

### Antigen Details

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

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

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

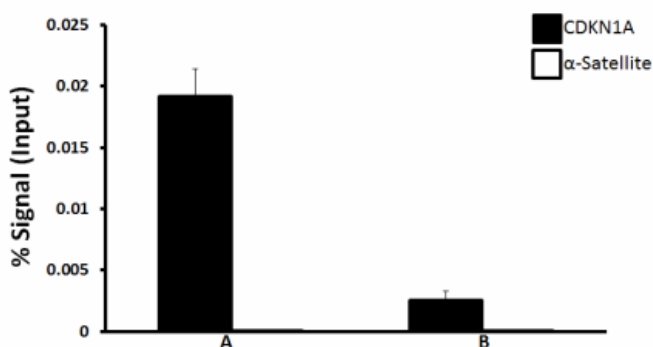
[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

APC Mouse IgG2b, κ Isotype Ctrl, Biotin Mouse IgG2b, κ Isotype Ctrl, FITC Mouse IgG2b, κ Isotype Ctrl, PE Mouse IgG2b, κ Isotype Ctrl, PE/Cyanine5 Mouse IgG2b, κ Isotype Ctrl, Purified Mouse IgG2b, κ Isotype Ctrl, APC/Cyanine7 Mouse IgG2b, κ Isotype Ctrl, PE/Cyanine7 Mouse IgG2b, κ Isotype Ctrl, Alexa Fluor® 647 Mouse IgG2b, κ Isotype Ctrl, Alexa Fluor® 488 Mouse IgG2b, κ Isotype Ctrl, Pacific Blue™ Mouse IgG2b, κ Isotype Ctrl, Alexa Fluor® 700 Mouse IgG2b, κ Isotype Ctrl, PerCP Mouse IgG2b, κ Isotype Ctrl, PerCP/Cyanine5.5 Mouse IgG2b, κ Isotype Ctrl, Brilliant Violet 421™ Mouse IgG2b, κ Isotype Ctrl, Brilliant Violet 570™ Mouse IgG2b, κ Isotype Ctrl, Brilliant Violet 510™ Mouse IgG2b, κ Isotype Ctrl, Ultra-LEAF™ Purified Mouse IgG2b, κ Isotype Ctrl, Brilliant Violet 605™ Mouse IgG2b, κ Isotype Ctrl, Brilliant Violet 650™ Mouse IgG2b, κ Isotype Ctrl, Brilliant Violet 711™ Mouse IgG2b, κ Isotype Ctrl, Brilliant Violet 785™ Mouse IgG2b, κ Isotype Ctrl, PE/Dazzle™ 594 Mouse IgG2b, κ Isotype Ctrl, Alexa Fluor® 594 Mouse IgG2b, κ Isotype Ctrl, APC/Fire™ 750 Mouse IgG2b, κ Isotype Ctrl, GolnVivo™ Purified Mouse IgG2b, κ Isotype Ctrl, TotalSeq™-A0092 Mouse IgG2b, κ isotype Ctrl, Go-ChIP-Grade™ Purified Mouse IgG2b, κ isotype Ctrl, TotalSeq™-B0092 Mouse IgG2b, κ isotype Ctrl, TotalSeq™-C0092 Mouse IgG2b, κ isotype Ctrl, TotalSeq™-D0092 Mouse IgG2b, κ Isotype Ctrl, GMP APC Mouse IgG2b, κ Isotype Control

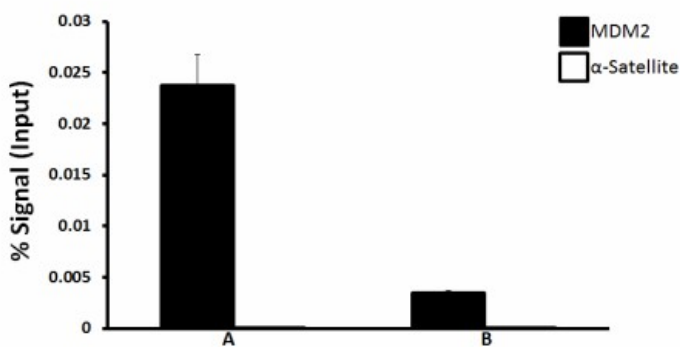
## Product Data

### Go-ChIP-Grade™ Purified Mouse IgG2b, κ 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, κ isotype control antibody (clone MPC-11, Cat. No. 400375) 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 α-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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