

Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eBioscience™

Product Details

Size	100 µg
Published Species	Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_470111

Applications	Tested	Dilution	Published
Functional Assay (FN)	-	1:100	3 Publications
Flow Cytometry (Flow)	✓	Assay-Dependent	12 Publications
Inhibition Assays (IA)	-		1 Publication
Neutralization (Neu)	-		2 Publications
Immunoprecipitation (IP)	✓	Assay-Dependent	3 Publications
ChIP assay (ChIP)	-		1 Publication
Immunofluorescence (IF)	✓	Assay-Dependent	2 Publications
Immunohistochemistry (IHC)	✓	Assay-Dependent	4 Publications
Control (Ctrl)	✓	Assay-Dependent	1 Publication
Immunocytochemistry (ICC)	✓	Assay-Dependent	
Western Blot (WB)	✓	Assay-Dependent	

Product Specific Information

Description: The monoclonal mouse IgG1 K immunoglobulin is useful as an isotype control.

Applications Reported: This mouse IgG1 isotype control has been reported for use in surface and intracellular flow cytometric analysis, immunohistochemistry, immunocytochemistry, immunoprecipitation and immunoblotting (WB).

Applications Tested: Mouse IgG1 K Isotype Control has been tested by flow cytometric analysis of normal human peripheral blood cells and mouse spleen cells. It should be used at the same concentration as the experimental antibody.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Functional Assay (3)

EBioMedicine

Neutrophil Microvesicles from Healthy Control and Rheumatoid Arthritis Patients Prevent the Inflammatory Activation of Macrophages.

"14-4714 was used in Functional assays to present new mechanistic evidence underpinning the anti-inflammatory and anti-arthritis properties of neutrophil microvesicles."

Authors: Rhys HI, Dell'Accio F, Pitzalis C, Moore A, Norling LV, Perretti M

Species
Not Applicable

Dilution
1:100

Year
2018

Journal of immunology (Baltimore, Md. : 1950)

The combination of type I IFN, TNF-, and cell surface receptor engagement with dendritic cells enables NK cells to overcome immune evasion by dengue virus.

"14-4714 was used as a Control in experiments to investigate the response of NK cells against dengue-infected cells, showing that a combination of type I IFN, TNF-, and cell surface receptor engagement with dendritic cells is required."

Authors: Lim DS, Yawata N, Selva KJ, Li N, Tsai CY, Yeong LH, Liong KH, Ooi EE, Chong MK, Ng ML, Leo YS, Yawata M, Wong SB

Species
Not Applicable

Dilution
Not Cited

Year
2014

[View more FN references on thermofisher.com](#)

Flow Cytometry (12)

Nature protocols

Generating high-purity cardiac and endothelial derivatives from patterned mesoderm using human pluripotent stem cells.

"14-4714 was used in Flow cytometry/Cell sorting to develop a protocol which specifies cell fate efficiently into cardiac and endothelial lineages from human pluripotent stem cells."

Authors: Palpant NJ, Pabon L, Friedman CE, Roberts M, Hadland B, Zaunbrecher RJ, Bernstein I, Zheng Y, Murry CE

Species
Not Applicable

Dilution
1:100

Year
2017

PloS one

Peptide-Based Optical uPAR Imaging for Surgery: In Vivo Testing of ICG-Glu-Glu-AE105.

"14-4714 was used in Flow cytometry/Cell sorting to develop a new uPAR-targeted fluorescent probe and evaluate its effectiveness in a human xenograft mouse model."

Authors: Juhl K, Christensen A, Persson M, Ploug M, Kjaer A

Species
Not Applicable

Dilution
Not Cited

Year
2016

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

IA (1) Neu (2) IP (3) ChIP (1) IF (2) IHC (4) Ctrl (1)

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