

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

Product Details	
Size	100 Tests
Published Species	Mouse, Human
Host/Isotope	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
Conjugate	FITC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10596964

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (1 µg)/test	23 Publications
Immunofluorescence (IF)	✓	Assay-Dependent	1 Publication
Control (Ctrl)	✓	Assay-Dependent	
Immunocytochemistry (ICC)	✓	Assay-Dependent	
Immunohistochemistry (IHC)	✓	Assay-Dependent	

Product Specific Information

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

Applications Reported: FITC Mouse IgG1 K Isotype Control has been reported for use in immunocytochemistry, immunohistochemistry, and flow cytometric analysis.

Applications Tested: This Mouse IgG1 K Isotype Control is offered in 2 formats: - µg size: This can be used at the same concentration as the experimental antibody. - test size: has been pre-titrated and can be used at 5 µL (1 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Flow Cytometry (23)

Stem cell research and therapy

mTOR inhibition improves the immunomodulatory properties of human bone marrow mesenchymal stem cells by inducing COX-2 and PGE₂.

"11-4714 was used in Flow cytometry/Cell sorting to display that the mTOR signalling pathway regulates the immunobiology of bone marrow mesenchymal stem cells (MSC), and to show the potential role of rapamycin in MSC-based therapy."

Authors: Wang B,Lin Y,Hu Y,Shan W,Liu S,Xu Y,Zhang H,Cai S,Yu X,Cai Z,Huang H

Species
Human
Mouse
Not Applicable

Dilution
Not Cited
Not Cited
Not Cited

Year
2017

PloS one

Creation of an immunodeficient HLA-transgenic mouse (HUMAMICE) and functional validation of human immunity after transfer of HLA-matched human cells.

"11-4714 was used in Flow cytometry/Cell sorting to generate a novel immuno-deficient mouse strain expressing human HLA molecules instead of mouse MHC molecules."

Authors: Zeng Y,Liu B,Rubio MT,Wang X,Ojcius DM,Tang R,Durrbach A,Ru Z,Zhou Y,Lone YC

Species
Not Applicable

Dilution
Not Cited

Year
2017

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

Immunofluorescence (1)

Iranian journal of reproductive medicine

Comparison of differentiation potential of male mouse adipose tissue and bone marrow derived-mesenchymal stem cells into germ cells.

"11-4714 was used in Immunofluorescence to investigate appropriate sources beyond embryonic stem cells to obtain germ cells and to compare the differential potentials of these cells."

Authors: Hosseinzadeh Shirzeily M,Pasbakhsh P,Amidi F,Mehranian K,Sobhani A

Species
Mouse
Not Applicable

Dilution
1:200
1:200

Year
2013

More applications with references on thermofisher.com

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