

Rat IgG1 kappa Isotype Control (eBRG1), eBioscience™

Product Details

Size	100 µg
Published Species	Mouse
Host/Isotope	Rat / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	eBRG1
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_470102

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	Assay-Dependent	4 Publications
Functional Assay (FN)	-		1 Publication
Control (Ctrl)	✓	Assay-Dependent	
Immunocytochemistry (ICC)	✓	Assay-Dependent	
Immunofluorescence (IF)	✓	Assay-Dependent	
Immunohistochemistry (IHC)	✓	Assay-Dependent	

Product Specific Information

Description: The monoclonal rat IgG1, kappa is useful as an isotype control immunoglobulin.

Applications Reported: This rat IgG1 isotype control has been reported for use in immunohistochemistry, immunocytochemistry, flow cytometric analysis, and immunoglobulin ELISA.

Applications Tested: This rat IgG1 isotype control has been used by flow cytometric analysis of mouse splenocyte suspension and 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.

5 References

Flow Cytometry (4)

The Journal of clinical investigation

A TLR9-dependent checkpoint governs B cell responses to DNA-containing antigens.

"14-4301 was used in Flow cytometry/Cell sorting to describe a relationship among the B cell receptor, TLR9, and cytokine signals that regulate B cell responses to DNA-containing antigens."

Authors: Sindhava VJ, Oropallo MA, Moody K, Naradikian M, Higdon LE, Zhou L, Myles A, Green N, Nündel K, Stohl W, Schmidt AM, Cao W, Dorta-Estremera S, Kambayashi T, Marshak-Rothstein A, Cancro MP

Species
Mouse

Dilution
Not Cited

Year
2017

Journal of immunology (Baltimore, Md. : 1950)

JUNB is a key transcriptional modulator of macrophage activation.

"14-4301 was used in Flow cytometry/Cell sorting to validate putative key transcription factors that control macrophage activation, showing that JUNB is a key transcriptional modulator of activation."

Authors: Fontana MF, Baccarella A, Pancholi N, Pufall MA, Herbert DR, Kim CC

Species
Mouse
Not Applicable

Dilution
Not Cited
Not Cited

Year
2015

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

Functional Assay (1)

Clinical and experimental allergy : journal of the British Society for Allergy and Clinical Immunology

FcRn-mediated intestinal absorption of IgG anti-IgE/IgE immune complexes in mice.

"14-4301 was used in Western Blotting to demonstrate a novel mechanism by which FcRn may facilitate absorption of maternal antibodies other than IgG."

Authors: Paveglio S, Puddington L, Rafti E, Matson AP

Species
Not Applicable

Dilution
Not Cited

Year
2012

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.