

Rat IgG1 kappa Isotype Control (eBRG1), FITC, eBioscience™

Product Details

Size	100 µg
Host/Isotype	Rat / IgG1, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eBRG1
Conjugate	FITC
Excitation/Emission Max	498/517 nm
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, store in dark, DO NOT FREEZE!
RRID	AB_470009

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	-
Flow Cytometry (Flow)	Assay-Dependent	0 Publication
Control (Ctrl)	Assay-Dependent	-

Product Specific Information

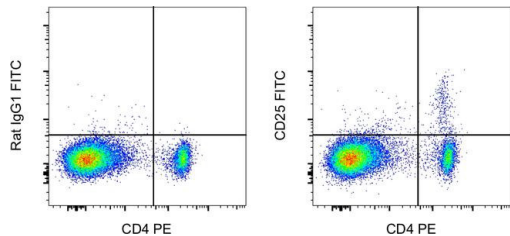
Description: The monoclonal rat IgG1, kappa is useful as an isotype control immunoglobulin.

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

Applications Tested: Rat IgG1 Isotype Control has been tested by flow cytometric analysis of mouse splenocyte suspensions. It should be used at the same concentration as the experimental antibody.

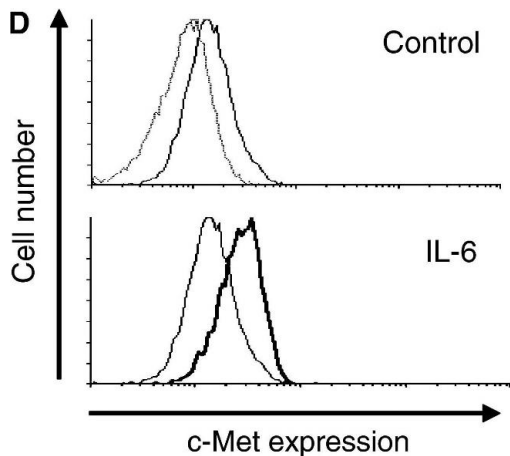
Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.



Rat IgG1 kappa Isotype Control (11-4301-82) in Flow

C57BL/6 mouse splenocytes were stained with CD4 Monoclonal Antibody, PE (Product # 12-0041-82) and 0.125 µg of Rat IgG1 lambda Isotype Control, FITC (Product # 11-4301-85) (left) or 0.125 µg of CD25 Monoclonal Antibody, FITC (right). Cells in the lymphocyte gate were used for analysis.



Rat IgG1 kappa Isotype Control (11-4301-82) in Flow

Synergistic effects between HGF and IL-6 in proliferation and migration of INA-6 cells. (A) INA-6 cells were grown in serum-free media with IL-6 and HGF as indicated for 3 d before estimation of DNA synthesis. Error bars represent SEM of triplicate measurements. * Denotes statistically significant difference from the IL-6 alone situation ($P < 0.05$). (B) INA-6 cells were seeded in the top wells of transwell migration chambers. HGF was added to the bottom wells and IL-6 to both top and bottom wells. After 18 h, migration was determined as described in Materials and methods. Error bars represent SEM of duplicate measurements. #Denotes statistical significant difference between HGF with or without IL-6 was not reached (P -value = 0.14). (C) INA-6 cells were grown in serum-free media with or without 100 ng/mL HGF or 1 ng/mL IL-6 over night, then harvested, lysed, and subjected to gel electrophoresis and Western blotting. The membrane was probed with an anti-c-Met antibody and a GAPDH antibody as loading control. (D) INA-6 cells were grown in serum-free media with or without 1 ng/mL IL-6 over night, labeled with FITC-conjugated antibody against c-Met or isotype control antibody and subjected to flow cytometry analysis. Upper panel - untreated cells labeled with FITC-c-Met antibody (bold line) compared with isotype control antibody (thin line); lower panel - c-Met expression in IL-6 treated cells (bold line) compared to untreated ce... Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/19187270>), licensed under a CC BY license.

15 References

Trem2/Syk/PI3K axis contributes to the host protection against *Toxoplasma gondii*-induced adverse pregnancy outcomes via modulating decidual macrophages. *PLoS Pathog* (2024)

Immunogenicity and efficacy of CNA25 as a potential whole-cell vaccine against systemic candidiasis. *EMBO Mol Med* (2024)

Small Extracellular Vesicles Derived from Altered Peptide Ligand-Loaded Dendritic Cell Act as A Therapeutic Vaccine for Spinal Cord Injury Through Eliciting CD4+ T cell-Mediated Neuroprotective Immunity. *Adv Sci (Weinh)* (2024)

Platelet-derived extracellular vesicles promote endothelial dysfunction in sepsis by enhancing neutrophil extracellular traps. *BMC Immunol* (2023)

High-Affinity Human Anti-c-Met IgG Conjugated to Oxaliplatin as Targeted Chemotherapy for Hepatocellular Carcinoma. *Front Oncol* (2019)

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.