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.

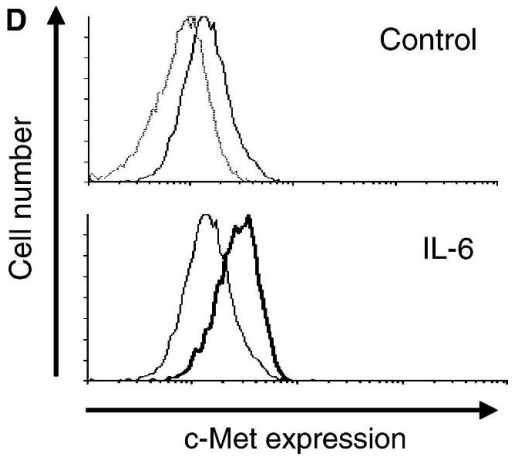
Applications Reported: This rat IgG1 isotype control has been reported for use in immunohistochemistry, immunocytochemistry, flow cytometric analysis, and ELISA.

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.

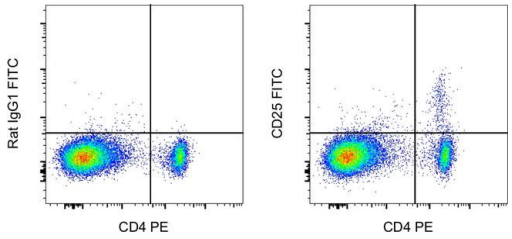
Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



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.



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.

13 References

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)

In Vivo Force Application Reveals a Fast Tissue Softening and External Friction Increase during Early Embryogenesis. Curr Biol (2019)

Intraperitoneal neutrophils activated by KRAS-induced ovarian cancer exert antitumor effects by modulating adaptive immunity. Int J Oncol (2018)

Accumulation of T-helper 22 cells, interleukin-22 and myeloid-derived suppressor cells promotes gastric cancer progression in elderly patients. Oncol Lett (2018)