

# Rat IgG1 kappa Isotype Control (eBRG1), Alexa Fluor 561, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Rat / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	eBRG1
Conjugate	Alexa Fluor® 561
Form	Liquid
Concentration	0.2 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!

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay-Dependent	-
Control (Ctrl)	Assay-Dependent	-

## Product Specific Information

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

**Applications Reported:** This eBRG1 antibody has been reported for use in flow cytometric analysis.

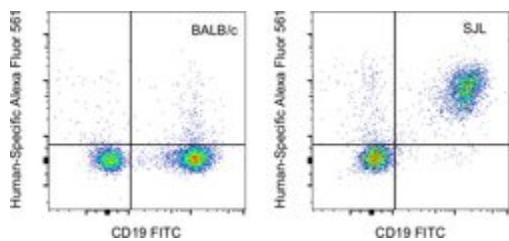
Our internal testing shows that Alexa Fluor 561 non-specifically stains B cells in Swiss Webster and SJL mice. Non-specific staining has not been observed in BALB/c or C57BL/6 mice. Other strains have not been tested. See the Antibody Testing Data for an example of this strain-dependent difference.

**Applications Tested:** This eBRG1 antibody has been tested by flow cytometric analysis of mouse splenocytes and normal human peripheral blood cells and should be used at the same concentration as the experimental antibody.

Alexa Fluor 561 emits at 575 nm and is intended for use on spectral cytometers where it may be multiplexed with both PE and PE-eFluor 610.

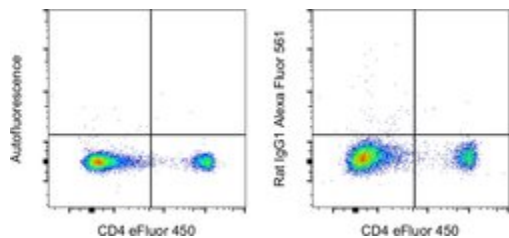
**Excitation:** 558 nm; **Emission:** 575 nm; **Laser:** Yellow-Green Laser

## Product Images For Rat IgG1 kappa Isotype Control (eBRG1), Alexa Fluor 561, eBioscience™



### Rat IgG1 kappa Isotype Control (505-4301-81) in Flow

Alexa Fluor 561 non-specific staining of B cells in the SJL strain of mice. Splenocytes from BALB/c (left) and SJL (right) strains of mice were stained with Anti-Mouse CD19 Monoclonal Antibody conjugated to FITC and a non-cross-reactive, human-specific monoclonal antibody conjugated to Alexa Fluor 561. These data show that Alexa Fluor 561-conjugated antibodies non-specifically stain B cells in SJL mice (right) and outbred, Swiss Webster mice (data not shown). Non-specific staining has not been observed in BALB/c mice (left) and C57BL/6 mice (data not shown).



### Rat IgG1 kappa Isotype Control (505-4301-81) in Flow

C57BL/6 mouse splenocytes were stained with CD4 Monoclonal Antibody, eFluor 450 (Product # 48-0041-82) and staining buffer (autofluorescence) (left) or 0.125 µg of Rat IgG1 kappa Isotype Control, Alexa Fluor 561 (right). Cells in the lymphocyte gate were used for analysis. This data was collected on a 5-laser Cytex Aurora full spectral cytometer.

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