

# Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor 561, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
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 mouse IgG1 kappa immunoglobulin is useful as an isotype control.

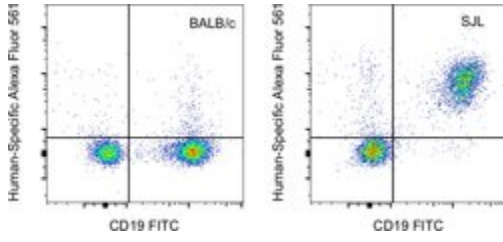
**Applications Reported:** This P3.6.2.8.1 antibody has been reported for use in flow cytometric analysis.

Our internal testing shows that Alexa Fluor 561 non-specifically stains B cells in Swiss Webster and SJL mice. No non-specific staining has been observed in BALB/c or C57BL/6 mice. Other strains have not been tested. See Antibody Testing Data in the Data Gallery showing this non-specific binding.

**Applications Tested:** This P3.6.2.8.1 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.

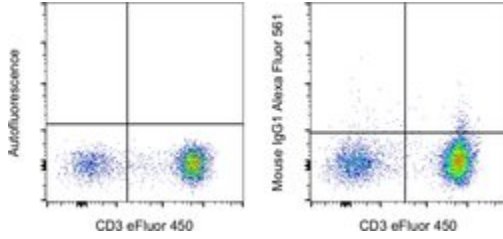
Alexa Fluor 561 emits at 575 nm and is intended for use on spectral cytometers where it may be multiplexed with both PE and PE-eFluor 610.

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



**Mouse IgG1 kappa Isotype Control (505-4714-81) 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).



**Mouse IgG1 kappa Isotype Control (505-4714-81) in Flow**

Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, eFluor 450 (Product # 48-0038-42) and staining buffer (autofluorescence) (left) or 0.25 µg of Mouse IgG1 kappa Isotype Control, Alexa Fluor 561 (right). Viable cells in the lymphocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50). This data was collected on a 5-laser Cytex Aurora full spectral cytometer.

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