

# Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright 645, eBioscience™

Product Details	
Size	100 µg
Host/Isotype	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
Conjugate	Super Bright 645
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2665359

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

## Product Specific Information

**Description:** The monoclonal mouse IgG1 K immunoglobulin is useful as an isotype control immunoglobulin.

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

**Applications Tested:** This P3.6.2.8.1 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells and mouse splenocytes. Use at the same concentration as the experimental antibody.

Super Bright 645 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 645 nm. We recommend using a 660/20 bandpass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

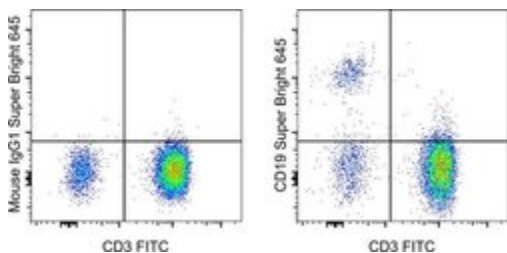
**Light sensitivity:** This tandem dye is sensitive to photo-induced oxidation. Protect this vial and stained samples from light.

**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 645 nm; Laser: Violet Laser

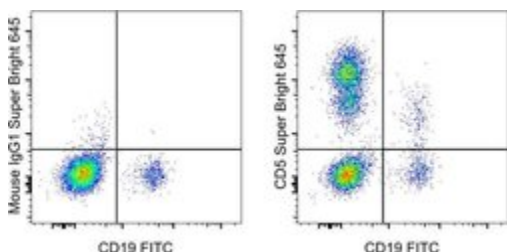
Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

## Product Images For Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright 645, eBioscience™



### Mouse IgG1 kappa Isotype Control (64-4714-82) in Flow

Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, FITC (Product # 11-0038-80) and Mouse IgG1 kappa Isotype Control, Super Bright 645 (Product # 64-4714-82) (left) or CD19 Monoclonal Antibody, Super Bright 645 (right). Cells in the lymphocyte gate were used for analysis.



### Mouse IgG1 kappa Isotype Control (64-4714-82) in Flow

Normal human peripheral blood cells were stained with CD19 Monoclonal Antibody, FITC (Product # 11-0199-42) and Mouse IgG1 kappa Isotype Control, Super Bright 645 (Product # 64-4714-82) (left) or CD5 Monoclonal Antibody, Super Bright 645 (right). Cells in the lymphocyte gate were used for analysis.

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