

# Rat IgG1 kappa Isotype Control (eBRG1), APC-eFluor™ 780, eBioscience™

| Product Details         |                                     |
|-------------------------|-------------------------------------|
| Size                    | 25 µg                               |
| Host/Isotype            | Rat / IgG1, kappa                   |
| Class                   | Monoclonal                          |
| Type                    | Isotype Control                     |
| Clone                   | eBRG1                               |
| Conjugate               | APC-eFluor™ 780                     |
| Excitation/Emission Max | 756/785 nm                          |
| 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! |
| RRID                    | AB_1271986                          |

| 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:** APC-eFluor® 780 Rat IgG1 Isotype Control (APC-Alexa Fluor® 750 replacement) has been reported for use in flow cytometric analysis.

**Applications Tested:** Rat IgG1 K Isotype Control APC-eFluor® 780 has been tested by flow cytometric analysis of mouse splenocytes. Use isotype control at the same concentration as experimental antibody.

APC-eFluor 780 emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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

**Fixation:** Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 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:** 633-647 nm; **Emission:** 780 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

### 3 References

Eosinophilic esophagitis-associated epithelial remodeling may limit esophageal carcinogenesis. *Front Allergy* (2023)

VX-765 reduces neuroinflammation after spinal cord injury in mice. *Neural Regen Res* (2021)

Chronic stress physically spares but functionally impairs innate-like invariant T cells. *Cell Rep* (2021)

CRID3, a blocker of apoptosis associated speck like protein containing a card, ameliorates murine spinal cord injury by improving local immune microenvironment. *J Neuroinflammation* (2020)

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