

Syrian Hamster IgG Isotype Control, PE-Cyanine7, eBioscience™

Product Details

Size	100 µg
Host/Isotype	Syrian hamster / IgG
Class	Control
Type	Isotype Control
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 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_470205

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	-
Control (Ctrl)	Assay-Dependent	-

Product Specific Information

Description: This hamster IgG fraction was purified by affinity chromatography from normal Golden Syrian hamster serum.

Applications Reported: Golden Syrian Hamster IgG Isotype Control PE-Cy7 has been reported for use in flow cytometric analysis.

Applications Tested: Golden Syrian Hamster IgG Isotype Control PE-Cyanine7 has been tested by flow cytometric analysis of mouse splenocytes. This should be used at the same concentration as the experimental antibody. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL 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: 488-561 nm; **Emission:** 775 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

2 References

- Gastrointestinal Dopamine in Inflammatory Bowel Diseases: A Systematic Review. Int J Mol Sci (2021)
- DA-DRD5 signaling controls colitis by regulating colonic M1/M2 macrophage polarization. Cell Death Dis (2021)

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