

Anti-GFP-169Tm

Catalog #: 3169009B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Cross Reactivity: All

Clone: 5F12.4

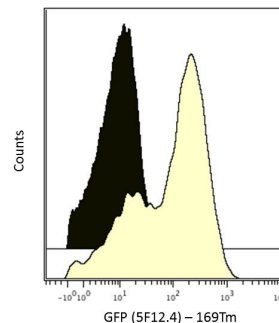
Isotype: Rat IgG2a

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Chinese Hamster Ovary (CHO) cells were either untransduced (top) or GFP-transduced (bottom) stained with 169Tm anti-GFP (5F12.4).

Description

Green Fluorescent Protein (GFP) is a 27 kDa fluorescent protein, which was originally isolated from the jellyfish *Aequorea victoria*. GFP fluoresces bright green when exposed to light in the blue to UV range. GFP absorbs light at 395 nm, and emits light at 509 nm, and is used extensively as a reporter gene, to monitor gene expression and localization, in multiple biological applications including fluorescence microscopy and flow cytometry. Several genetic variants of GFP have been engineered resulting in improved fluorescent properties and photostability.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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