

CD90.2 (Thy-1.2) Monoclonal Antibody (30-H12), PE-Cyanine7, eBioscience

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PE-Cyanine7, eBioscience
Class	Monoclonal
Type	Antibody
Clone	30-H12
Conjugate	PE-Cyanine7
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_2802247

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	-

Product Specific Information

Description: The 30-H12 monoclonal antibody reacts with mouse CD90.2, also known as Thy-1.2, a GPI-linked membrane molecule. CD90.2 is expressed by mouse thymocytes and mature T cells as well as neurons in CD90.2-expressing mouse strains. These strains include BALB/c, CBA, C3H, C57BL/6, C58/J, SJL and others. Cells from CD90.1-expressing strains including PL and AKR do not stain with 30-H12. CD90 is involved in regulation of adhesion and signal transduction by T cells.

Applications Reported: This 30-H12 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 30-H12 antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This may be used at less than or equal to 0.125 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.

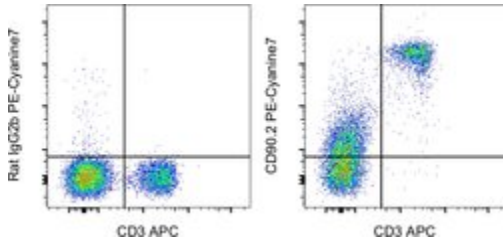
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) 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

Product Images For CD90.2 (Thy-1.2) Monoclonal Antibody (30-H12), PE-Cyanine7, eBioscience



CD90.2 (Thy-1.2) Antibody (25-0903-82) in Flow

C57BL/6 mouse splenocytes were stained with CD3e Monoclonal Antibody, APC (Product # 17-0031-82) and 0.06 µg of Rat IgG2b kappa Isotype Control, PE-Cyanine7 (Product # 25-4031-82) (left) or 0.06 µg of CD90.2 (Thy-1.2) Monoclonal Antibody, PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

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