

Product datasheet

Anti-CD90 / Thy1 antibody [5E10] ab123511

1 Abreviews 1 Image

Overview

Product name	Anti-CD90 / Thy1 antibody [5E10]
Description	Mouse monoclonal [5E10] to CD90 / Thy1
Host species	Mouse
Tested applications	Suitable for: WB, IP, IHC-Fr, ICC, Flow Cyt
Species reactivity	Reacts with: Dog, Human, Pig, Non human primates
Immunogen	HEL erythroleukemia cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.40 Constituent: 99% PBS
Purity	Protein A purified
Purification notes	ab123511 was determined to be > 95% pure by SDS-PAGE.
Clonality	Monoclonal
Clone number	5E10
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab123511** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

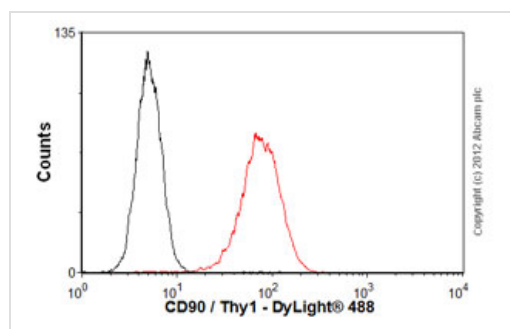
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 18 kDa.
IP		Use at an assay dependent concentration.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
ICC		Use at an assay dependent concentration.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.
Sequence similarities	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Cell membrane.

Images



Flow Cytometry - Anti-CD90 / Thy1 antibody [5E10] (ab123511)

Overlay histogram showing Jurkat cells stained with ab123511 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab123511, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive result in 80% methanol (5 min) fixed Jurkat cells used under the same conditions.

Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

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