

## Product datasheet

# Anti-CD90 / Thy1 antibody [5E10] ab123511

[1 Abreviews](#) [1 Image](#)

### Overview

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

### Properties

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

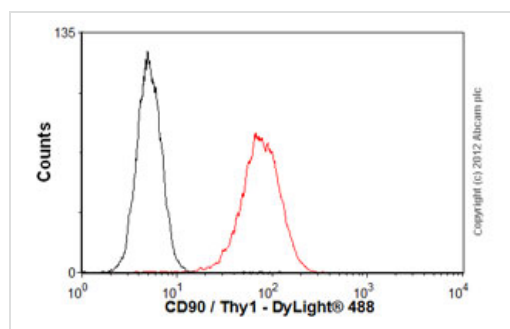
| Application | Abreviews | Notes  |
|-------------|-----------|--|
| WB          |           | Use at an assay dependent concentration. Predicted molecular weight: 18 kDa. |
| IP          |           | Use at an assay dependent concentration.                                     |

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| IHC-Fr      |           | Use at an assay dependent concentration.  |
| ICC         |           | Use at an assay dependent concentration.  |
| Flow Cyt    |           | Use 1µg for 10 <sup>6</sup> cells.<br><a href="#">ab170190</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |

## Target

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

## Images



Flow Cytometry - Anti-CD90 / Thy1 antibody [5E10]  
- Azide free (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/1x10<sup>6</sup> 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/1x10<sup>6</sup> 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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