

#### DESCRIPTION

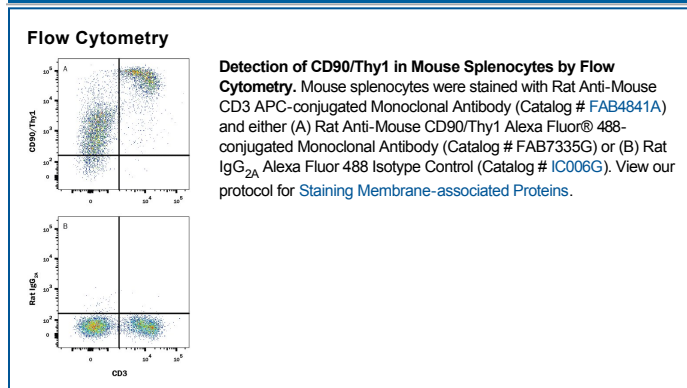
|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Mouse  |
| <b>Specificity</b>        | Detects mouse CD90/Thy1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human CD90/Thy1 is observed.  |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 778053  |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant   |
| <b>Immunogen</b>          | Chinese hamster ovary cell line CHO-derived recombinant mouse CD90/Thy1<br>Gln20-Lys130<br>Accession # P01831  |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm  |
| <b>Formulation</b>        | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

|                       | <b>Recommended Concentration</b> | <b>Sample</b> |
|-----------------------|----------------------------------|---------------|
| <b>Flow Cytometry</b> | 5 µL/10 <sup>6</sup> cells       | See Below     |

#### DATA



#### PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.                                  |
| <b>Stability &amp; Storage</b> | <b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul> |

#### BACKGROUND

CD90, also known as Thy1 (THYmocyte differentiation antigen 1) is a GPI-linked glycoprotein expressed by endothelial cells, hematopoietic stem cells, and in developing nervous tissue. Unlike human CD90, mouse CD90 is also highly expressed on T cells and is involved in T cell activation. CD90 may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.

#### PRODUCT SPECIFIC NOTICES

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