

## Purified Anti-Rat CD90 Antibody[OX-7], Functional Grade

catalog number: E-AB-F12260

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

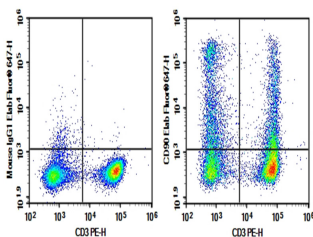
|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Rat   |
| <b>Immunogen</b>    | Recombinant Rat CD90 protein  |
| <b>Host</b>         | Mouse   |
| <b>Isotype</b>      | Mouse IgG1, $\kappa$  |
| <b>Clone</b>        | OX-7  |
| <b>Purification</b> | >98%, Protein A/G purified  |
| <b>Buffer</b>       | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method. |

### Applications

### Recommended Dilution

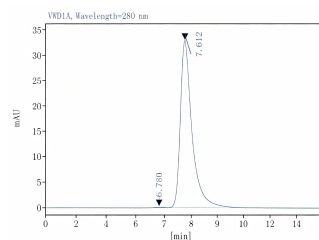
**FCM** 2  $\mu\text{g}/\text{mL}$  ( $0.5 \times 10^6$  -  $1 \times 10^6$  cells)

### Data



Rat splenocytes were stained with 0.2  $\mu\text{g}$  Purified Anti-Rat CD90 Antibody[OX-7], Functional Grade (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by

Elab Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Rat CD3 PE-conjugated Monoclonal Antibody.



Monomer purity  $\geq 95\%$  as determined by analytical size-exclusion chromatography (SEC)

### Preparation & Storage

**Storage** Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.

**Shipping** Ice bag

### Background

CD90, also known as Thy-1, is a 28-30 kD GPI-linked membrane glycoprotein. It is a member of the immunoglobulin superfamily and has been shown to interact with CD45 in signal transduction during lymphocyte proliferation and differentiation. CD90 is expressed on hematopoietic stem cells, neurons, thymocytes, peripheral T cells, fibroblasts, stromal cells.

None (Azide-Free, Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

### For Research Use Only