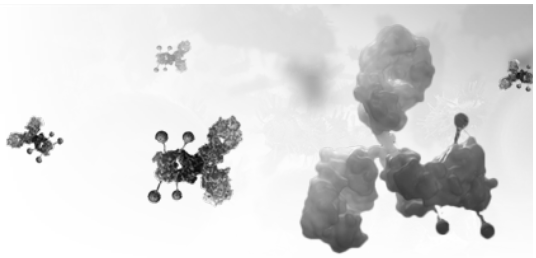

# Mouse Anti-Mouse Thy1.1 (CD90.1) Monoclonal antibody, clone 19E12 (CABT-L4290)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | The 19E12 monoclonal antibody reacts with mouse Thy1.1 also known as CD90.1. |
| **Target** | Mouse Thy1.1 (CD90.1) |
| **Immunogen** | AKR mouse SL3 leukemia cells |
| **Isotype** | IgG2a, κ |
| **Source/Host** | Mouse |
| **Species Reactivity** | Mouse |
| **Clone** | 19E12 |
| **Purification** | Protein G purified.<br>Purity>95%. Determined by SDS-PAGE |
| **Conjugate** | Functional Grade |
| **Applications** | in vivo T cell depletion |
| **Molecular Weight** | 150 kDa |
| **Format** | 0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility |
| **Concentration** | Lot specific |
| **Size** | 5 mg |
| **Buffer** | PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] |

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| | |
|---|---|
| | Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay<br>Related dilution buffer: CABT-LB04 |
| **Preservative** | None |
| **Storage** | The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze. |
| **Ship** | Wet ice |

# BACKGROUND

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|---|---|
| **Introduction** | The 19E12 monoclonal antibody reacts with mouse Thy1.1 also known as CD90.1. Thy1 is a 25-35 kDa GPI-anchored protein belonging to the Ig superfamily that is expressed by thymocytes, peripheral T cells, myoblasts, epidermal cells, and keratinocytes. The function of Thy1 has not been fully elucidated but is thought to play roles in regulation of cell adhesion, apoptosis, metastasis, inflammation, and fibrosis. This antibody is particularly useful for depletion of T lymphocytes. |
| **Keywords** | THY1;Thy-1 cell surface antigen;CD90;thy-1 membrane glycoprotein;CDw90;thy-1 antigen;Thy-1 T-cell antigen; |

# GENE INFORMATION

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|---|---|
| **Official Symbol** | Thy-1 cell surface antigen |
| **Synonyms** | THY1; Thy-1 cell surface antigen; CD90; thy-1 membrane glycoprotein; CDw90; thy-1 antigen; Thy-1 T-cell antigen; |
| **References** | Campisi, L., et al. (2016). "Apoptosis in response to microbial infection induces autoreactive TH17 cells." Nat Immunol. doi: 10.1038/ni.3512. PubMed; |

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