

## ARG55984 anti-CD90 / Thy 1 antibody [F15-42-1]

Package: 50 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [F15-42-1] recognizes CD90 / Thy 1  |
| Tested Reactivity   | Hu  |
| Tested Application  | FACS, ICC/IF  |
| Specificity         | The clone F15-42-1 recognizes the human CD90 cell surface antigen, a ~25 kDa glycoprotein homologous to rat Thy1. The antigen is expressed by a subset of CD34+ve cells in the bone marrow and by prothymocytes within the thymus. CD90 is also expressed extensively within the brain. |
| Host                | Mouse   |
| Clonality           | Monoclonal  |
| Clone               | F15-42-1  |
| Isotype             | IgG1, kappa   |
| Target Name         | CD90 / Thy 1  |
| Species             | Human   |
| Immunogen           | Purified Human brain CD90 protein.  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | Thy-1 membrane glycoprotein; Thy-1 antigen; CD antigen CD90; CDw90; CD90  |

### Application Instructions

| Application table | Application  | Dilution                       |
|-------------------|--|--------------------------------|
|                   | FACS   | 1 - 2 µg/10 <sup>6</sup> cells |
|                   | ICC/IF   | 2 - 4 µg/ml                    |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                                |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purification with Protein G.   |
| Buffer              | PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA   |
| Preservative        | 0.05% Sodium azide   |
| Stabilizer          | 0.1 mg/ml BSA  |
| Concentration       | 0.2 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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|                       |  |
|-----------------------|--|
| Database links        | <a href="#">GeneID: 7070 Human</a><br><a href="#">Swiss-port # P04216 Human</a>  |
| Gene Symbol           | THY1   |
| Gene Full Name        | Thy-1 cell surface antigen   |
| Background            | This gene encodes a cell surface glycoprotein and member of the immunoglobulin superfamily of proteins. The encoded protein is involved in cell adhesion and cell communication in numerous cell types, but particularly in cells of the immune and nervous systems. The encoded protein is widely used as a marker for hematopoietic stem cells. This gene may function as a tumor suppressor in nasopharyngeal carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015] |
| Function              | May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. [UniProt]  |
| Calculated Mw         | 18 kDa   |
| Cellular Localization | Cell surface   |