**Product Datasheet**

# Thy-1 (OX7) Antibody

Catalog No: #48341

Package Size: #48341-1 50ul #48341-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

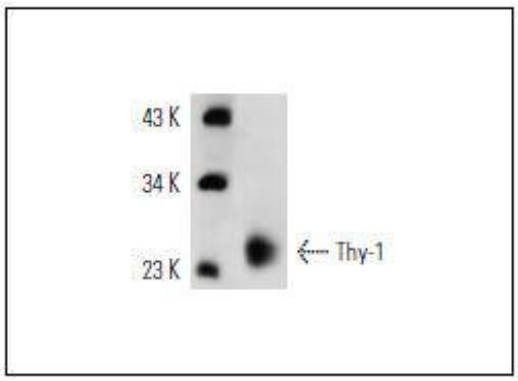
## Description

| | |
|---|---|
| Product Name | Thy-1 (OX7) Antibody |
| Host Species | Mouse |
| Clonality | Monoclonal |
| Clone No. | 1G2 |
| Purification | ProA affinity purified |
| Applications | WB, IP, IF, IHC(P), FCM |
| Species Reactivity | Ms, Rt |
| Immunogen Description | peptide |
| Other Names | CD7 antibody CD90 antibody CD90 antigen antibody CDw90 antibody FLJ33325 antibody MGC128895 antibody T25 antibody Theta antigen antibody Thy 1 antibody Thy 1 cell surface antigen antibody Thy 1 membrane glycoprotein antibody Thy 1 T cell antigen antibody Thy 1.2 antibody Thy-1 antigen antibody Thy-1 membrane glycoprotein antibody Thy1 antibody Thy1 antigen antibody Thy1 T cell antigen antibody Thy1.1 antibody Thy1.2 antibody THY1_HUMAN antibody Thymus cell antigen 1, theta antibody |
| Accession No. | Swiss-Prot#:P01831 |
| Uniprot | P01831 |
| GeneID | 21838; |
| Calculated MW | 25-37kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

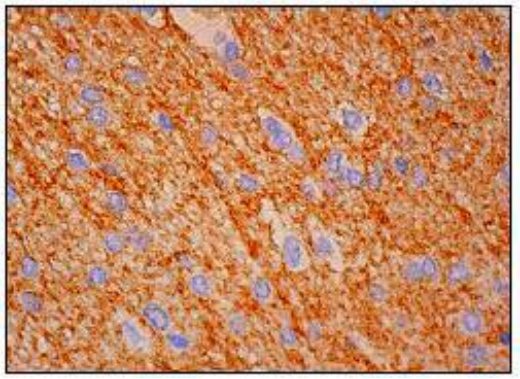
## Application Details

WB: 1:100-1:1,000IHC: 1:50-1:500 IP: 1-2 μg per 100-500 μg of total protein(1 ml of cell lysate) FC: 1 μg per 1 x 106 cells

## Images




Western blot analysis of Thy-1 expression in rat brain tissue extract.



Immunoperoxidase staining of formalin fixed, paraffin-embedded human cerebral cortex tissue showing neuropil staining.

## Background

Over 100 cell surface markers have been identified through the use of monoclonal antibodies. Many of these markers have proven useful in identifying specific subpopulations of cells within mixed colonies. Accordingly, these molecules have been assigned a cluster of differentiation (CD) designation. One such marker, designated Thy-1 (also referred to as CDw90), is a phosphatidyl-anchored cell surface glycoprotein which when coexpressed with CD34 on cells from normal human bone marrow, identifies a subpopulation that includes putative hematopoietic, pleuripotent stem cells. Thy1+ cells from bone marrow have been implicated in syngeneic graft versus host disease and may serve to regulate autoreactivity after bone marrow transplant.

## References

Note: This product is for in vitro research use only