Monoclonal Antibody to CD90 - Purified

Alternate names: CDw90, THY1, Thy-1, Thy-1 membrane glycoprotein
Catalog No.: SM049PX
Quantity: 1 mg
Concentration: 1.0 mg/ml
Background: CD90 is expressed on a variety of cell types including thymocytes, neuronal cells, stem cells, T lymphocytes (mouse), immature B cells (rat) and connective tissues.

Uniprot ID: P01831
NCBI: NP_033408.1
GeneID: 21838
Host / Isotype: Mouse / IgG1
Clone: OX-7
Immunogen: Rat Thy 1 antigen. Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.

Format: State: Liquid purified IgG
Purification: Affinity chromatography on Protein G
Buffer System: PBS, pH7.2 containing 0.09% Sodium Azide

Applications: Flow cytometry: 1/50 - 1/100; Use 10µl of the suggested working dilution to label 10^6 cells in 100µl.
Immunohistochemistry on frozen and paraffin sections.
Immunoprecipitation.
Western Blot.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises CD90, also known as Thy1.1. Since Thy1.1 is a monomorphic determinant in rat but polymorphic in mice, clone MRC OX-7 reacts with Thy1.1 mice e.g. AKR and FVB mice, but not Thy1.2 mice such as CBA and BALB/c. Clone MRC OX-7 has been demonstrated to promote neurite outgrowths on peripherin-stained sympathetic neurons, using fluorescence microscopy.
Species: Rat, Mouse, Rabbit, Guinea Pig.
Other species not tested.
Affinity Constant: Rat: 3 x 10e9m⁻¹; Mouse: 3 x 10e8m⁻¹

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.
Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com
General References:

Pictures:
Staining of rat thymocytes with mouse anti rat CD90