

CD90 Monoclonal Antibody (F15-42-1)

Catalog Number

MA5-16672

Product data sheet

Details		Species Reactivity	
Size	1 mg	Species reactivity	Cynomolgus monkey, Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Flow Cytometry (Flow)	Dilution * 1:50-1:100
Type	Antibody	Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent
Clone	F15-42-1	Immunoprecipitation (IP)	Assay-dependent
Immunogen	Purified human brain Thy-1	Immunocytochemistry (ICC/IF)	Assay-dependent
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein G		
Storage buffer	PBS		
Contains	no preservative		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

For FACS analysis, use 10 µL of the suggested working dilution to label 1x10^6 cells in 100 µL. A suggested positive control for immunohistochemical applications is human brain, thymus.

Background/Target Information

CD90 (Thy 1) antigen is a GPI linked glycoprotein member of the Immunoglobulin super family. CD90 is expressed in murine T cells, thymocytes, neural cells, Kupffer's cells and fibroblasts. CD90 may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. CD90 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Structural study of CD90 led to the foundation of the Immunoglobulin superfamily, of which it is the smallest member, and led to the first biochemical description and characterization of a vertebrate GPI anchor. Diseases associated with CD90 dysfunction include nasopharyngeal carcinoma and thymoma.

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