

Product datasheet for **SM1170P**

CD90 (THY1) Mouse Monoclonal Antibody [Clone ID: F15-42-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F15-42-1
Applications:	FC, IF, IHC, IP
Recommended Dilution:	Flow Cytometry: Use 10µl of 1/10-1/50 diluted antibody to label 1x10 ⁶ cells in 100 µl. SM1170P/PT is routinely tested in Flow Cytometry on the MOLT4 cell line. Immunoprecipitation. Immunofluorescence. Immunohistochemistry on Frozen Sections: The epitope recognized by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Acetone fixation for frozen sections is recommended. Positive Control Tissue: Human Brain, Thymus.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human brain Thy-1.
Specificity:	SM1170 (Clone F15-42-1) recognizes the CD90 cell surface antigen.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	Thy-1 cell surface antigen



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Database Link: [Entrez Gene 7070 Human P04216](#)

Background: CD90 antigen is a 25 kD glycoprotein homologous to rat Thy-1. The antigen is expressed by a subset of CD34+ve cells in the bone marrow and by some cells within the thymus. CD90 is also expressed extensively within the brain.

Synonyms: Thy-1, THY1, CDw90