

Product datasheet for **SM1170A**

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:	Immunoprecipitation. Immunofluorescence. Flow Cytometry: Use 10 µl of 1/50-1/100 diluted antibody to label 10e6 cells in 100 µl. This product is routinely tested in the MOLT4 cell line. Immunohistochemistry on Frozen Sections. Recommended Positive Control: Human Brain, thymus.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human brain Thy-1. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.
Specificity:	This antibody Clone F15-42-1 recognizes the CD90 cell surface antigen.
Formulation:	PBS, pH7.4 State: Azide Free State: Liquid purified IgG fraction from Tissue Culture Supernatant Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name: Thy-1 cell surface antigen

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

Background: CD90 is a 25kD 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.

Synonyms: Thy-1, THY1, CDw90