



Anti-Thy-1 Antibody (Clone T11D7e)

Alternative Names: CDw90, Thy-1 Cell Surface Antigen, Thy-1 Antigen, CD90

Catalogue Number: AX17-10007-50ug

Size: 50 µg

Background Information

CD90 is a 25–37 kDa heavily N-glycosylated cell surface protein with a single V-like immunoglobulin domain. It was discovered as a thymocyte antigen, so it is also known as Thy-1. CD90 expression varies between species, however cell types known to express it are thymocytes, CD34(+) prothymocytes, neurons, mesenchymal stem cells, hematopoietic stem cells, NK cells, murine T-cells, endothelium, renal glomerular mesangial cells, circulating metastatic melanoma cells, follicular dendritic cells (FDC), a fraction of fibroblasts and myofibroblasts. CD90 is a monomorphic determinant in rat but polymorphic in mice.

This antibody (Clone T11D7e) reacts with Thy1.1 mice (e.g. AKR and FVB mice), but not Thy1.2 mice (e.g. CBA and BALB/c). Clone T11D7e is also useful for removal of T lymphocytes from cell populations by complement mediated cytotoxicity.

Product Information

Antibody Type:	Monoclonal	Host:	Mouse
Isotype:	IgM Kappa	Species Reactivity:	Mouse, Rat
Immunogen:	Xenogenic rat thymocytes		
Format:	50 µg in 50 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	FACS Cytotoxic Assay FC 1:5		

Additional Information

Subcellular location:	Cell membrane	MW:	25 to 37 kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	24832	Uniprot ID:	P01830



References

Mahanthappa et al. 1996. J Neurosci. 16(15):4673-83. PMID: 8764655. ; Ogasawara et al. 1990. Microbiol Immunol. 34(12):1025-39. PMID: 2098631. ; Fabian et al. 1990. Neurology. 40(3 Pt 1):419-22. PMID: 1690363. ; Yasumizu et al. 1988. J Immunol. 141(6):2181-6. PMID: 3049801. ; Lake et al. 1979. Eur J Immunol. 9(11):875-86. PMID: 393521.