

Recombinant Mouse Thymus Cell Antigen 1, Theta, Fc Chimera

Cat. No. Thy1-2430M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of mouse Thy-1 (aa 20-131) produced in <i>HEK 293 cells</i> fused to the Fc portion of human IgG1. The integrin binding sequence RLD of mouse Thy-1 has been changed to RLE abolishing the binding of integrins, 48kDa (SDS-PAGE).
Species	Mouse
Source	Human Cells
Description	Thy-1 is a glycosyl phosphatidylinositol (GPI)-anchored glycoprotein of the immunoglobulin superfamily expressed in various cell types, particularly in cells of the neuronal system, activated microvascular endothelial cells, fibroblasts and blood stem cells. Thy-1 is involved in cell adhesion. Thy-1 interacts with the integrin $\alpha\text{v}\beta 3$ (CD51/CD61) and Mac-1 (CD11b/CD18). In astrocytes, binding of Thy-1 to $\beta 3$ -integrin promotes focal adhesion formation.
Source/Host	HEK 293 cells.
Concentration	1mg/ml after reconstitution.
Purity	$\geq 90\%$ (SDS-PAGE).
Endotoxin Content	$< 0.1\text{EU/g}$ purified protein (LAL test; Bio Whittaker).

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Reconstitution	Reconstitute with 50µl sterile distilled water. Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein.
Formulation	Lyophilized. Contains PBS.
Long Term Storage	-20°C.
Use/Stability	Stable for at least 6 months after receipt when stored at -20°C.
Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.

GENE INFORMATION

Gene Name	Thy1 thymus cell antigen 1, theta [<i>Mus musculus</i>]
Synonyms	thymus cell antigen 1, theta; T25; CD90; Thy-1; Thy1.1; Thy1.2; Thy-1.2; Thy1; Thy 1.2; ; theta; Thy 1.2; OTTMUSP00000018127
Gene ID	21838
mRNA Refseq	NM_009382
Protein Refseq	NP_033408
UniProt ID	P01831
Chromosome Location	9 26.0 cM
Function	Leukocyte transendothelial migration

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