

43-1008: Monoclonal Antibody to Mouse CD90.2 (Thy-1.2) NALE™ Purified (Clone: 30-H12)

Clonality :	Monoclonal
Clone Name :	30-H12
Application :	FACS
Reactivity :	Mouse
Gene :	Thy1
Gene ID :	21838
Uniprot ID :	P01831
Alternative Name :	Thy-1 antigen, Thy-1
Isotype :	Rat IgG2b, kappa

Description

The 30-H12 monoclonal antibody specifically binds to Mouse CD90.2, an alloantigen known as Thy-1.2, expressed on thymocytes, mature T cells, epithelial cells, neurons, hematopoietic stem cells, and fibroblasts. CD90 is a membrane glycoprotein that regulates the adhesion and signal transduction in T lymphocytes, and the adhesion of thymocytes to thymic stroma. The interaction between 30-H12 and the antibody to the CD3/TCR complex upregulates thymocytes signal transduction and apoptosis and downregulates mature T cell proliferation. The 30-H12 antibody seems to be unable to cross-link with CD90.1.

Product Info

Amount :	500 µg
Content :	1 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.