



Rat Anti-Mouse Thy1.2 (CD90.2) Monoclonal antibody, clone 30H12 (CABT-L4559)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The 30H12 monoclonal antibody reacts with mouse Thy1.2 also known as CD90.2.
Target	Mouse Thy1.2 (CD90.2)
Immunogen	Mouse thymus or spleen
Isotype	IgG2b, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	30H12
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo ILC depletion, in vivo T cell depletion, WB
Molecular Weight	150 kDa
Format	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]

Endotoxin level: <1EU/mg (<0.001EU/μg). Determined by LAL gel clotting assay
Related dilution buffer: CABT-LB04

Preservative

None

Storage

The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Ship

Wet ice

BACKGROUND

Introduction

The 30H12 monoclonal antibody reacts with mouse Thy1.2 also known as CD90.2. Thy1.2 is expressed by thymocytes and mature T lymphocytes as well as hematopoietic stem cells, neurons, epithelial cells, and fibroblasts. Thy1.2 is expressed only by certain mouse strains including C57BL/6, BALB/c, CBA, C3H, C58/, SJL, DBA, and NZB/. Thy1.2 is a 25-35 kDa GPI-anchored membrane glycoprotein and a member of the immunoglobulin superfamily. The function of Thy1.2 has not been fully elucidated but is thought to play roles in cognition, axon growth, T lymphocyte function, and apoptosis. The 30H12 monoclonal antibody has been reported to induce Ca²⁺ flux in thymocytes. This antibody is particularly useful for depletion of T lymphocytes.

Keywords

THY1;Thy-1 cell surface antigen;CD90;thy-1 membrane glycoprotein;CDw90;thy-1 antigen;Thy-1 T-cell antigen;

GENE INFORMATION

Official Symbol

Thy-1 cell surface antigen

Synonyms

THY1; Thy-1 cell surface antigen; CD90; thy-1 membrane glycoprotein; CDw90; thy-1 antigen; Thy-1 T-cell antigen;

References

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