CD90 Antibody [clone IBL-6/23] (V8424)

Catalog No.	Formulation	Size
V8424-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8424-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8424SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rat
Clonality	Monoclonal (rat origin)
Isotype	Rat IgG1, kappa
Clone Name	IBL-6/23
Purity	Protein G affinity chromatography
UniProt	P01831
Localization	Cytoplasmic, membranous
Applications	Flow cytometry: 1-2ug/million cells in 0.1ml Immunofluorescence: 1-2ug/ml
Limitations	This CD90 antibody is available for research use only.



Description

Recognizes a protein of 25kDa, identified as mouse Thy-1 (also known as CD90). It is a glycosyl phosphatidylinositol-anchored surface glycoprotein. CD90 is a member of the immunoglobulin superfamily. It may contribute to inhibition of proliferation/differentiation of hematopoietic stem cells and neuron memory formation in the CNS. It consists of a single Ig domain (112 amino acids; 25-35kDa) inserted into the cell membrane via a GPI anchor. Thy-1 is expressed mainly on brain and lymphoid tissues including thymocytes, Peripheral T-cells, and some intraepithelial T-lymphocytes. Thy-1 may play a role in T cell activation, development and function of nervous system, and apoptosis.

Application Notes

Optimal dilution of the CD90 antibody should be determined by the researcher.

Immunogen

Mouse EL-4 T cell lymphoma cells were used as the immunogen for the CD90 antibody.

Storage

Store the CD90 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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