CD90 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD90, Monoclonal Antibody
Full Product Name	CD90 (Thy-1 Membrane Glycoprotein, Thy-1 Antigen, THY1, CDw90, FLJ33325) (MaxLight 750)
Product Gene Name	anti-CD90 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3F9
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human THY1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	Full length recombinant corresponding to aa1-161 from human THY1 (AAH05175) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MNLAISIALLLTVLQVSRGQKVTSLTACLVDQSLRLDCRHENTSSSPIQYEFSLTRETKKHVLFGTVGVPEHTYRSRTNFTSKYNMKVLYLSAFTSKDEGTY
Conjugate	MaxLight750
Product Categories/Family for anti-CD90 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD90 antibody	FLISA, Western Blot (WB)
Application Notes for anti-CD90 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CD90 antibody	THY1 (CD90) antigen is a GPI linked glycoprotein member of the Immunoglobulin superfamily. It is expressed on murine T cells, thymocytes, neural ce and Kupffer's cells. Thy1 may play a role in cell to cell or cell to ligand interactions during synaptogenesis and other events in the brain.
Other Notes	Small volumes of anti-CD90 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for CD90 purchase	MBS6232045 is an antibody targeting CD90. Also known as CD90 (Thy-1 Membrane Glycoprotein, Thy-1 Antigen, THY1, CDw90, FLJ33325) (MaxLigh

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD90. It may not necessarily be applicable to this product.

NCBI GI #	92443567
NCBI GeneID	7070
NCBI Accession #	BC005175
NCBI Related Accession #	AAH05175
UniProt Related Accession #	P04216
NCBI Official Full Name	Homo sapiens Thy-1 cell surface antigen, mRNA
NCBI Official Synonym Full Names	Thy-1 cell surface antigen
NCBI Official Symbol	THY1
NCBI Official Synonym Symbols	CD90; CDw90
Protein Family	Thy-1 membrane glycoprotein
NCBI Protein Information	thy-1 membrane glycoprotein
NCBI Summary for CD90	This gene encodes a cell surface glycoprotein and member of the immunoglobulin superfamily of proteins. The encoded protein is involved in cell adhesion and cell communication in numerous cell types, but particularly in cells of the immune and nervous systems. The encoded protein is widely used as a marker for hematopoietic stem cells. This gene may function as a tumor suppressor in nasopharyngeal carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
Research Articles on CD90	**1.** We identified Thy-1 as a surface marker of cancer stem cells in ovarian cancer and further demonstrated increased proliferative and self-renewal capability in Thy-1 expressing cells that was reversible with Thy-1 knockdown. We were additionally able to validate these findings by identifying poorer clinical outcomes for women with ovarian cancer and high expression of Thy-1.
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