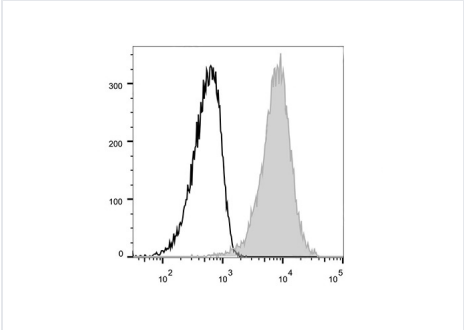
CD90 Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD90, Antibody
Full Product Name	Fluor 700 Anti-Human CD90 Antibody [5E10]
Product Gene Name	anti-CD90 antibody
Product Synonym Names	CDw90; FLJ33325; T25; Thy1
Isotype	IgG1, kappa
Clone Number	5E10
Host	Mouse
Species Reactivity	Human
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD90 Clone #5E10 (MBS2585534) Isotype Control: IgG1, kappa Clone #MOPC-21 (MBS2579320)
Molecular Weight	17,935 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (119288655..119294246, complement). Location: 11q23.3
OMIM	188230
3D Structure	ModBase 3D Structure for P04216
Conjugation	Fluor700
Product Categories/Family for anti-CD90 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD90 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD90 antibody	MBS2585534 is an antibody targeting CD90. Also known as Fluor 700 Anti-Human CD90 Antibody [5E10]. Reactive in Human. Host: Mouse.
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 necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Flow Cytometry (FC/FACS) of anti-CD90 antibody
Staining of the Jurkat cells with Fluor® 700 Anti-Human CD90 Antibody[5E10](filled gray histogram) or Fluor® 700 Mouse IgG1, ? Isotype Control(empty black histogram).Total viable cells were used for analysis.

ADDITIONAL DETAILS

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

NCBI GI #	7070
NCBI GeneID	7070
NCBI Accession #	NP_006279.2
UniProt Primary Accession #	P04216
UniProt Secondary Accession #	Q16008; Q9NSP1
UniProt Related Accession #	P04216
GenBank Nucleotide #	NM_006288.3
NCBI Official Full Name	thy-1 membrane glycoprotein preproprotein
NCBI Official Synonym Full Names	Thy-1 cell surface antigen
NCBI Official Symbol	THY1
NCBI Official Synonym Symbols	CD90
UniProt Protein Name	Thy-1 membrane glycoprotein
UniProt Synonym Protein Names	CDw90; Thy-1 antigen
Protein Family	Thy-1 membrane glycoprotein
UniProt Gene Name	THY1
UniProt Entry Name	THY1_HUMAN
NCBI Protein Information	thy-1 membrane glycoprotein; CDw90; thy-1 antigen; Thy-1 T-cell antigen
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]

UniProt Comments for CD90	THY1: May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. Protein type: Motility/polarity/chemotaxis; Membrane protein, GPI anchor; Cell adhesion Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: anchored to external side of plasma membrane; focal adhesion; growth cone; endoplasmic reticulum; integral to plasma membrane; dendrite; apical plasma membrane; plasma membrane; cytosol; lipid raft; external side of plasma membrane Molecular Function: integrin binding; protein binding; protein kinase binding Biological Process: focal adhesion formation; cell-cell adhesion; retinal cone cell development; negative regulation of T cell receptor signaling pathway; negative regulation of protein kinase activity; negative regulation of axonogenesis; cytoskeleton organization and biogenesis; angiogenesis; positive regulation of T cell activation; positive regulation of release of sequestered calcium ion into cytosol; T cell receptor signaling pathway; negative regulation of cell migration; positive regulation of GTPase activity
Research Articles on CD90	**1.** Thy-1 contributes to metastasis of melanoma cells by mechanisms involving a Thy-1-mediated adhesion of melanoma cells to endothelial cells.
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