DYM Antibody – Sheep Polyclonal

PRODUCT OVERVIEW

Product Name	DMC (DYM), Polyclonal Antibody
Full Product Name	DMC (Dendritic cell and Monocyte Chemokine-like Protein, VEGF Co-regulated Chemokine 1, VCC1) (Biotin)
Product Gene Name	anti-DYM antibody
Product Synonym Names	Anti -DMC (Dendritic cell and Monocyte Chemokine-like Protein, VEGF Co-regulated Chemokine 1, VCC1) (Biotin)
Clonality	Polyclonal
Isotype	IgG
Host	Sheep
Species Reactivity	Mouse
Form/Format	Supplied as a lyophilized powder from PBS with BSA. Reconstitute with 100ul sterile TBS, pH 7.3, 0.1% BSA. Labeled with Biotin.
Purity/Purification	Affinity Purified Purified by mouse DMC affinity chromatography.
Specificity	Recognizes mouse DMC. 5% cross-reactivity with rhDMC
Preparation and Storage	-20 degree C
Molecular Weight	75,935 Da
Chromosome Location	Chromosome: 18; NC_000018.9 (46567846..46987172, complement). Location: 18q21.1
OMIM	223800
3D Structure	ModBase 3D Structure for Q7RTS9
Immunogen	E. coli-derived recombinant mouse rmDMC.
Product Categories/Family for anti-DYM antibody	Antibodies; Abs to Growth Factors; Cytokines
Applications Tested/Suitable for anti-DYM antibody	Western Blot (WB)
Application Notes for anti-DYM antibody	Suitable for use in Western blot., , Recommended Dilutions:, Western Blot: 0.01-0.2ug/ml with the appropriate secondary reagents to detect mouse DMC. The detection limit for rmDMC is approximately 2 ng/lane under non-reducing and reducing, conditions. In this format, this antibody shows approximately 5% cross-reactivity with rhDMC., , Storage and Stability:, Lyophilized powder may be stored at 4 degree C for short-term only. Reconstitute to nominal volume by adding sterile 40-50% glycerol, aliquot and store at -20 degree C. Reconstituted product is stable for 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Related Product Information for anti-DYM antibody	Dendritic cell- and Monocyte-attracting Chemokine-like protein (DMC), also known as VEGF-induced cytokine (VCC-1), is a secreted molecule that is closely related to CXCL8/IL-8 and CXCL14/BRAK. DMC is constitutively produced by airway and intestinal epithelium and induces the chemotaxis of monocytes and dendritic cells. It is strongly upregulated in proliferating
Other Notes	Small volumes of anti-DYM 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.

Searchable Terms for DYM purchase	MBS620400 is an antibody targeting DYM. Also known as DMC (Dendritic cell and Monocyte Chemokine-like Protein, VEGF Co-regulated Chemokine 1, VCC1) (Biotin). Reactive in Mouse. Host: Sheep.

ADDITIONAL DETAILS

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

NCBI GI #	157779137
NCBI GeneID	54808
NCBI Accession #	NP_060123.3
UniProt Primary Accession #	Q7RTS9
UniProt Secondary Accession #	Q3ZTS8; Q6P2P5; Q8N2M0; Q9BVE9; Q9NPU7; A8K5I8; B2RCF9; B4DKI7
UniProt Related Accession #	Q7RTS9
GenBank Nucleotide #	NM_017653.3
NCBI Official Full Name	dymeclin
NCBI Official Synonym Full Names	dymeclin
NCBI Official Symbol	DYM
NCBI Official Synonym Symbols	DMC; SMC
UniProt Protein Name	Dymeclin
UniProt Synonym Protein Names	Dyggve-Melchior-Clausen syndrome protein
Protein Family	Dymeclin
UniProt Gene Name	DYM
UniProt Entry Name	DYM_HUMAN
NCBI Protein Information	dymeclin; dyggve-Melchior-Clausen syndrome protein
NCBI Summary for DYM	This gene encodes a protein which is necessary for normal skeletal development and brain function. Mutations in this gene are associated with two types of recessive osteochondrodysplasia, Dyggve-Melchior-Clausen (DMC) dysplasia and Smith-McCort (SMC) dysplasia, which involve both skeletal defects and mental retardation. [provided by RefSeq, Jul 2008]
UniProt Comments for DYM	DYM: Necessary for correct organization of Golgi apparatus. Involved in bone development. Defects in DYM are the cause of Dyggve-Melchior-Clausen syndrome (DMC). DMC is a rare autosomal recessive disorder characterized by short trunk dwarfism, microcephaly and psychomotor retardation. Electron microscopic study of cutaneous cells of affected patients shows dilated rough endoplasmic reticulum, enlarged and aberrant vacuoles and numerous vesicles. DMC is progressive. Defects in DYM are the cause of Smith-McCort dysplasia (SMC). SMC is a rare autosomal recessive osteochondrodysplasia characterized by short limbs and trunk with barrel-shaped chest. The radiographic phenotype includes platyspondyly, generalized abnormalities of the epiphyses and metaphyses, and a distinctive lacy appearance of the iliac crest, features identical to those of Dyggve-Melchior-Clausen syndrome. Belongs to the dymeclin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 18q21.1 Cellular Component: Golgi apparatus; cytoplasm Molecular Function: protein binding; enzyme binding Biological Process: Golgi organization and biogenesis Disease: Dyggve-melchior-clausen Disease; Smith-mccort Dysplasia 1

Research Articles on DYM	**1.** A novel homozygous splice-site mutation (IVS15+3G>T)of dymeclin gene in the 18q12-12.1 chromosomal region was detected in Dyggve-Melchior-Clausen syndrome.
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