CLEC11A Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CLEC11A, Monoclonal Antibody
Full Product Name	CLEC11A (CLECSF3, LSLCL, SCGF, C-type Lectin Domain Family 11 Member A, C-type Lectin Superfamily Member 3, Lymphocyte Secreted C-type Growth Factor, p47) (MaxLight 405)
Product Gene Name	anti-CLEC11A antibody
Clonality	Monoclonal
Isotype	IgG2b, lambda
Clone Number	3E1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CLEC11A.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 1 maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	35kDa
OMIM	604713
3D Structure	ModBase 3D Structure for Q9Y240
Immunogen	Partial recombinant corresponding to aa214-324 from human CLEC11A (NP_002966) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PADRQQMEALTRYLRAALAPYNWPVWLGVHDRRAEGLYLFENGQRVSFFAWHRSPRPELGAQPSASPHPLSPDQPNGGTLENCVAQASDDGSWWDH
Conjugate	MaxLight405
Product Categories/Family for anti-CLEC11A antibody	Antibodies; Lectins
Applications Tested/Suitable for anti-CLEC11A antibody	FLISA
Application Notes for anti-CLEC11A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CLEC11A antibody	This gene encodes a member of the C-type lectin superfamily. The encoded protein is a secreted sulfated glycoprotein and functions as a growth factor hematopoietic progenitor cells. An alternative splice variant has been described but its biological nature has not been determined.

Other Notes	Small volumes of anti-CLEC11A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nec 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
Searchable Terms for CLEC11A purchase	MBS6189496 is an antibody targeting CLEC11A. Also known as CLEC11A (CLECSF3, LSLCL, SCGF, C-type Lectin Domain Family 11 Member A, C-t Member 3, Lymphocyte Secreted C-type Lectin, Stem Cell Growth Factor, p47) (MaxLight 405). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLEC11A. It may not necessarily be applicable to this product.

NCBI GI #	4506803
NCBI GeneID	6320
NCBI Accession #	NP_002966
UniProt Primary Accession #	Q9Y240
UniProt Related Accession #	Q9Y240
GenBank Nucleotide #	NM_002975
NCBI Official Full Name	C-type lectin domain family 11 member A
NCBI Official Synonym Full Names	C-type lectin domain containing 11A
NCBI Official Symbol	CLEC11A
NCBI Official Synonym Symbols	P47; SCGF; LSLCL; CLECSF3
UniProt Protein Name	C-type lectin domain family 11 member A
UniProt Synonym Protein Names	C-type lectin superfamily member 3; Lymphocyte secreted C-type lectin; Stem cell growth factor; p47
Protein Family	C-type lectin domain family
UniProt Gene Name	CLEC11A
UniProt Synonym Gene Names	CLECSF3; LSLCL; SCGF
UniProt Entry Name	CLC11_HUMAN
NCBI Protein Information	C-type lectin domain family 11 member A
UniProt Comments for CLEC11A	CLEC11A: Stimulates the proliferation and differentiation of hematopoietic precursor cells from various lineages, including erythrocytes, lymphocytes, granulocytes and macrophages. Acts synergistically with other cytokines, including IL-3, GCSF, GMCSF and FLT3 ligand. Suppresses SCF-stimulated erythrocyte proliferation. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: extracellular space; cytoplasm; extracellular region Molecular Function: growth factor activity; carbohydrate binding Biological Process: positive regulation of cell proliferation
Research Articles on CLEC11A	**1.** Clec11a maintains the adult skeleton by promoting the differentiation of mesenchymal progenitors into mature osteoblasts.
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