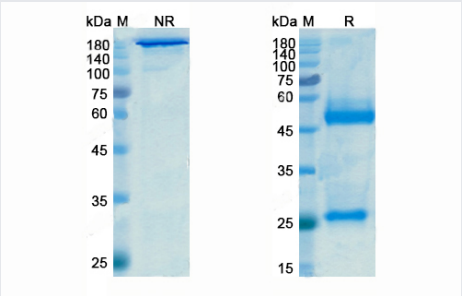
CM101 Antibody – Monoclonal

PRODUCT OVERVIEW

Product Name	CM101, Monoclonal Antibody
Full Product Name	Research Grade CM101
Product Gene Name	anti-CM101 antibody
Product Synonym Names	CM-101; CM101; MPIF2; Eosinophil chemotactic protein 2; Small-inducible cytokine A24; CCL24; Eotaxin-2; SCYA24; MPIF-2; Myeloid progenitor inhibitory factor 2; CK-beta-6; C-C motif chemokine 24
Clonality	Monoclonal
Isotype	IgG-nd
Species Reactivity	Human
Form/Format	Liquid. PBS buffer, pH7.4
Purity/Purification	>95%; Protein A or G purified from cell culture supernatant.
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at +4 degree C short term (1-2 weeks). Store at -20 degree C 12 months. Store at -80 degree C long term. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Molecular Weight	119
OMIM	602495
3D Structure	ModBase 3D Structure for O00175
Host Species	Humanized
Expression system	Mammalian cells
Product Categories/Family for anti-CM101 antibody	Research Biosimilar
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CM101 antibody	Research Grade CM101 Biosimilar
Related Product Information for anti-CM101 antibody	MBS1563243 is an antibody targeting CM101. Also known as Research Grade CM101. Reactive in Human.
Product References and Citations for anti-CM101 antibody	CM101 stimulates cutaneous wound healing through an anti-angiogenic mechanism, PMID: 11824380 CM101-mediated recovery of walking ability in adult mice paralyzed by spinal cord injury, PMID: 9789063 Phase I study of the antineovascularization drug CM101, PMID: 9815693 Macrophage stimulation using a group B-streptococcus exotoxin (CM101) leads to axonal regrowth in the injured optic nerve, PMID: 15096692 Inhibition of Oncogenic Transcription Factor REL by the Natural Product Derivative Calafianin Monomer 101 Induces Proliferation Arrest and Apoptosis in Human B-Lymphoma Cell Lines, PMID: 25915462
Other Notes	Small volumes of anti-CM101 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.



SDS-Page of anti-CM101 antibody
SDS PAGE for CM101

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CM101. It may not necessarily be applicable to this product.

NCBI GI #	6920081
NCBI GeneID	6369
NCBI Accession #	O00175.2
UniProt Primary Accession #	O00175
UniProt Secondary Accession #	B2R5K2
UniProt Related Accession #	O00175
NCBI Official Full Name	C-C motif chemokine 24
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 24
NCBI Official Symbol	CCL24
NCBI Official Synonym Symbols	Ckb-6; MPIF2; MPIF-2; SCYA24
UniProt Protein Name	C-C motif chemokine 24
UniProt Synonym Protein Names	CK-beta-6; Eosinophil chemotactic protein 2; Eotaxin-2; Myeloid progenitor inhibitory factor 2; MPIF-2; Small-inducible cytokine A24
UniProt Gene Name	CCL24
UniProt Synonym Gene Names	MPIF2; SCYA24; MPIF-2
UniProt Entry Name	CCL24_HUMAN
NCBI Protein Information	C-C motif chemokine 24; CK-beta-6; eotaxin-2; small-inducible cytokine A24; eosinophil chemotactic protein 2; myeloid progenitor inhibitory factor 2; small inducible cytokine subfamily A (Cys-Cys), member 24
NCBI Summary for CM101	This gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity on resting T lymphocytes, a minimal activity on neutrophils, and is negative on monocytes and activated T lymphocytes. The protein is also a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. [provided by RefSeq, Jul 2008]

UniProt Comments for CM101	CCL24: Chemotactic for resting T-lymphocytes, and eosinophils. Has lower chemotactic activity for neutrophils but none for monocytes and activated lymphocytes. Is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. Binds to CCR3. Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted; Motility/polarity/chemotaxis; Secreted, signal peptide Chromosomal Location of Human Ortholog: 7q11.23 Cellular Component: extracellular space Molecular Function: chemokine activity Biological Process: cytoskeleton organization and biogenesis; chemotaxis; signal transduction; regulation of cell shape; positive regulation of angiogenesis; positive regulation of actin filament polymerization; cell-cell signaling; eosinophil chemotaxis; immune response; positive regulation of endothelial cell proliferation; inflammatory response; positive regulation of inflammatory response; positive regulation of cell migration
Research Articles on CM101	**1.** CCL11, CCL24, and CCL26 are increased in TB patients; hence, it seems that TB suppresses Th1 and the classic function of macrophages subsequently by inducing the chemokines' expression
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