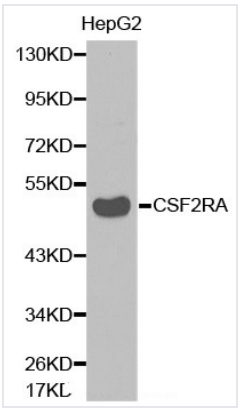
CSF2RA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CSF2RA, Polyclonal Antibody
Full Product Name	CSF2RA Antibody
Product Gene Name	anti-CSF2RA antibody
Product Synonym Names	CD116; CDw116; CSF2R; CSF2RAX; CSF2RAY; CSF2RX; CSF2RY; GM-CSF-R-alpha; GMCSFR; GMR; MGC3848; MGC4838
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	31,101 Da
OMIM	300770
Immunogen	Recombinant protein of human CSF2RA
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CSF2RA antibody	Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-CSF2RA antibody	The protein encoded by this gene is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. The encoded protein is a member of the cytokine family of receptors. This gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Multiple transcript variants encoding different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of anti-CSF2RA 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 CSF2RA purchase	MBS2523442 is an antibody targeting CSF2RA. Also known as CSF2RA Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CSF2RA antibody
Western blot analysis of extracts of HepG2 cell lines, using CSF2RA antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSF2RA. It may not necessarily be applicable to this product.

NCBI GI #	47938316
NCBI GeneID	1438
NCBI Accession #	AAH71835.1
UniProt Secondary Accession #	O00207; Q14429; Q14430; Q14431; Q16564; A7J003; A8KAM1; B4DW68; J3JS76; J3JS77
UniProt Related Accession #	P15509
NCBI Official Full Name	CSF2RA protein
NCBI Official Synonym Full Names	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
NCBI Official Symbol	CSF2RA
NCBI Official Synonym Symbols	GMR; CD116; CSF2R; SMDP4; CDw116; CSF2RX; CSF2RY; GMCSFR; CSF2RAX; CSF2RAY; GM-CSF-R-alpha
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha
UniProt Synonym Protein Names	CDw116; CD_antigen: CD116
Protein Family	Granulocyte-macrophage colony-stimulating factor receptor
UniProt Gene Name	CSF2RA
UniProt Synonym Gene Names	CSF2R; CSF2RY; GM-CSF-R-alpha; GMCSFR-alpha; GMR-alpha
UniProt Entry Name	CSF2R_HUMAN
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor receptor subunit alpha; CD116 antigen; GM-CSF receptor alpha subunit; GMCSFR-alpha; GMR-alpha; colony stimulating factor 2 receptor alpha subunit; granulocyte-macrophage colony-stimulating factor receptor alpha chain

UniProt Comments for CSF2RA	CSF2RA: Low affinity receptor for granulocyte-macrophage colony- stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells. Defects in CSF2RA are the cause of pulmonary surfactant metabolism dysfunction type 4 (SMDP4). A rare lung disorder due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive lipoproteins accumulation in the alveoli results in severe respiratory distress. Belongs to the type I cytokine receptor family. Type 5 subfamily. 8 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, cytokine; Membrane protein, integral Chromosomal Location of Human Ortholog: Xp22.32 and Yp11.3 Cellular Component: integral to plasma membrane; plasma membrane; extracellular region Molecular Function: hematopoietin/interferon-class (D200-domain) cytokine receptor activity; receptor activity Biological Process: response to ethanol; cytokine and chemokine mediated signaling pathway Disease: Surfactant Metabolism Dysfunction, Pulmonary, 4
Research Articles on CSF2RA	**1.** A possible relationship between dysfunction of the granulocyte-macrophage colony stimulating factor receptor, mapping to the pseudoautosomal X-Y region, may exist in myelodysplastic patients with initially lymphocytic Sweet syndrome.
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