

Datasheet for ABIN391880
anti-CSF1R antibody (C-Term)



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4 Images

Overview

Quantity:	400 µL
Target:	CSF1R
Binding Specificity:	AA 940-971, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MCSF Receptor (CSF1R) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 940-971 amino acids from the C-terminal region of human MCSF Receptor (CSF1R).
Clone:	RB01520
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CSF1R
Alternative Name:	MCSF Receptor (CSF1R) (CSF1R Products)
Background:	CSF1R is the receptor for colony stimulating factor 1, a cytokine which controls the production,

Target Details

differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. This protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in the gene encoding CSF1R have been associated with a predisposition to myeloid malignancy.

Molecular Weight: 107984

Gene ID: 1436

NCBI Accession: [NP_005202](#)

UniProt: [P07333](#)

Pathways: [RTK Signaling](#), [Inositol Metabolic Process](#), [Cell-Cell Junction Organization](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:100. IHC-P: 1:100. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

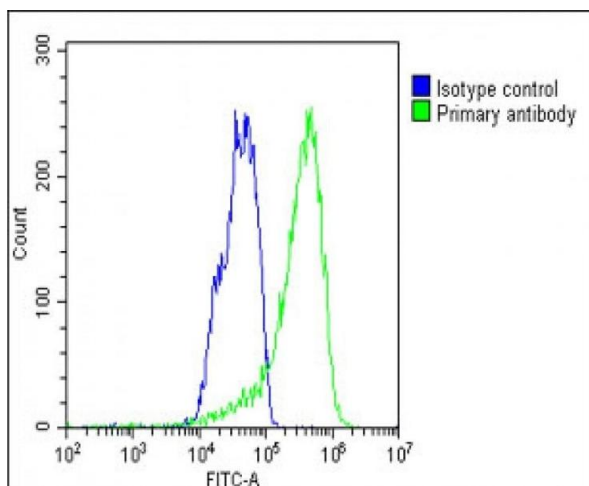
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

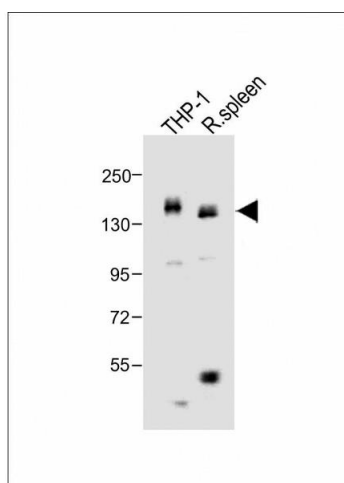
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



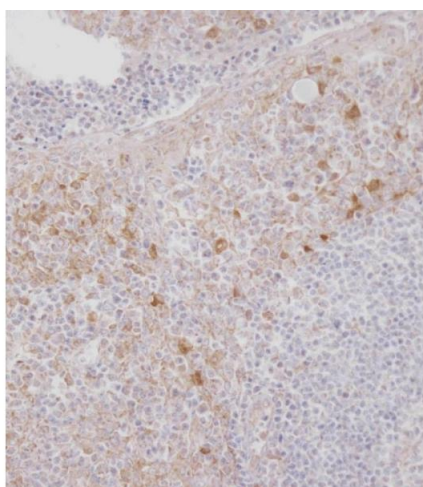
Flow Cytometry

Image 1. Overlay histogram showing HepG2 cells stained with (ABIN391880 and ABIN2841699) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN391880 and ABIN2841699), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. All lanes : Anti-MCSF Receptor (CSF1R) Antibody (C-term) at 1:1000 dilution Lane 1: THP-1 whole cell lysate Lane 2: rat spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 108 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemical analysis of B on paraffin-embedded Human tonsil tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH 9.0). Samples were incubated with primary Antibody (1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN391880.