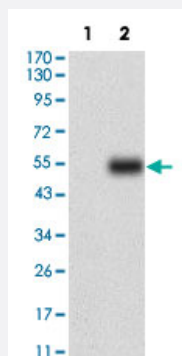


# CSF1R monoclonal antibody, clone 6B9B9

Catalog # MAB17880

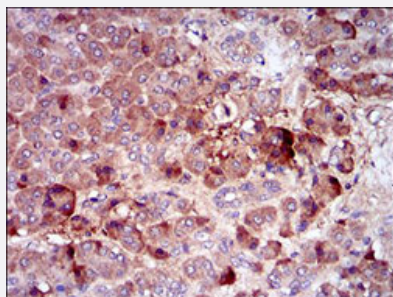
Size 100 ug

## Applications



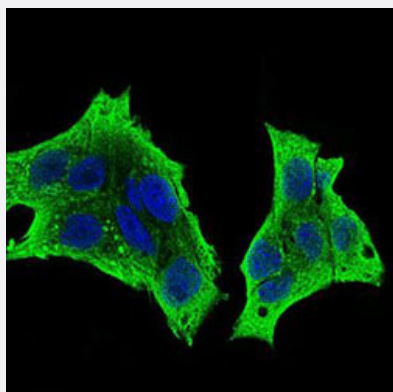
### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: CSF1R-hlgGFc transfected HEK293 cell lysates with CSF1R monoclonal antibody, clone 6B9B9 (Cat # MAB17880).



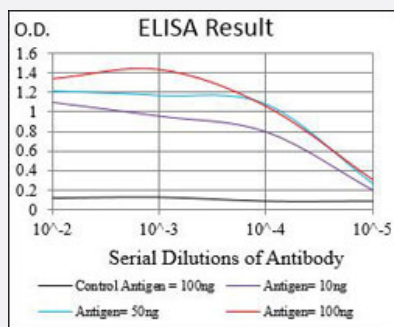
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with CSF1R monoclonal antibody, clone 6B9B9 (Cat # MAB17880).



### Immunofluorescence

Immunofluorescent staining of HepG2 cells with CSF1R monoclonal antibody, clone 6B9B9 (Cat # MAB17880) (Green). Blue: DRAQ5 fluorescent DNA dye.



## Enzyme-linked Immunoabsorbent Assay

ELISA analysis with CSF1R monoclonal antibody, clone 6B9B9 (Cat # MAB17880).

## Specification

|                             |                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Mouse monoclonal antibody raised against partial recombinant human CSF1R.                                                                                                                                                        |
| <b>Immunogen</b>            | Recombinant protein corresponding to amino acids 344-497 of human CSF1R.                                                                                                                                                         |
| <b>Host</b>                 | Mouse                                                                                                                                                                                                                            |
| <b>Theoretical MW (kDa)</b> | 108                                                                                                                                                                                                                              |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                            |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                           |
| <b>Isotype</b>              | IgG2b                                                                                                                                                                                                                            |
| <b>Recommend Usage</b>      | ELISA (1:10000)<br>Immunofluorescence (1:200-1:1000)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)<br>Western Blot (1:100-1:500)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In PBS (0.05% sodium azide).                                                                                                                                                                                                     |
| <b>Storage Instruction</b>  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                                           |
| <b>Note</b>                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                           |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: CSF1R-hlgGfc transfected HEK293 cell lysates with CSF1R monoclonal antibody, clone 6B9B9 (Cat # MAB17880).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with CSF1R monoclonal antibody, clone 6B9B9 (Cat # MAB17880).

- Immunofluorescence

Immunofluorescent staining of HepG2 cells with CSF1R monoclonal antibody, clone 6B9B9 (Cat # MAB17880) (Green). Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with CSF1R monoclonal antibody, clone 6B9B9 (Cat # MAB17880).

## Gene Info — CSF1R

Entrez GeneID [1436](#)

Protein Accession# [P07333](#)

Gene Name CSF1R

Gene Alias C-FMS, CD115, CSFR, FIM2, FMS

Gene Description colony stimulating factor 1 receptor

Omim ID [164770](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is the receptor for colony stimulating factor 1, a cytokine which controls the production, 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. The encoded protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid malignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. [provided by RefSeq]

**Other Designations** CD115 antigen|FMS proto-oncogene|McDonough feline sarcoma viral (v-fms) oncogene homolog|macrophage colony stimulating factor I receptor|soluble CSF1R variant 1

## Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Hematopoietic cell lineage](#)
- [Pathways in cancer](#)

## Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Lung Neoplasms](#)
- [Myelodysplastic Syndromes](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Purpura](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)