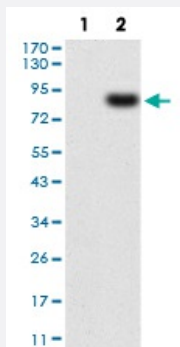


CSF1R monoclonal antibody, clone 4C9G2

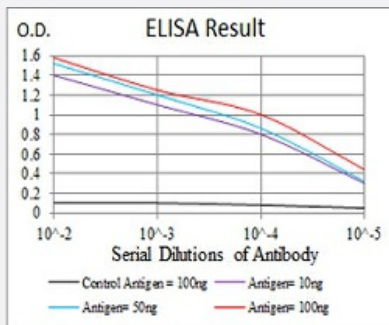
Catalog # MAB16686 Size 100 ug

Applications



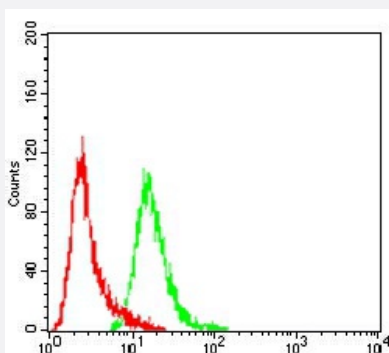
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: CSF1R-hlgGFc transfected HEK293 cell with CSF1R monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CSF1R monoclonal antibody, clone 4C9G2.



Flow Cytometry

Flow cytometric analysis of Hela cells with CSF1R monoclonal antibody (green) and negative control (red).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant human CSF1R.

Immunogen	Recombinant protein corresponding to amino acid 20-152 of human CSF1R from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	108
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	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 cell; Lane 2: CSF1R-hlgGfc transfected HEK293 cell with CSF1R monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CSF1R monoclonal antibody, clone 4C9G2.

- Flow Cytometry

Flow cytometric analysis of Hela cells with CSF1R monoclonal antibody (green) and negative control (red).

Gene Info — CSF1R

Entrez GeneID

[1436](#)

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](#)