



# c-Fms (phospho Tyr699) Monoclonal Antibody

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|---------------------------|--|
| <b>Catalog No</b>         | BYmab-13010  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Rat;Mouse;   |
| <b>Applications</b>       | WB   |
| <b>Gene Name</b>          | CSF1R  |
| <b>Protein Name</b>       | Macrophage colony-stimulating factor 1 receptor  |
| <b>Immunogen</b>          | Synthesized phospho-peptide around the phosphorylation site of human c-Fms (phospho Tyr699)  |
| <b>Specificity</b>        | Phospho-c-Fms (Y699) Monoclonal Antibody detects endogenous levels of c-Fms protein only when phosphorylated at Y699.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Monoclonal, Mouse,IgG  |
| <b>Purification</b>       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>           | WB 1:500-2000  |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | CSF1R; FMS; Macrophage colony-stimulating factor 1 receptor; CSF-1 receptor; CSF-1-R; CSF-1R; M-CSF-R; Proto-oncogene c-Fms; CD antigen CD115  |
| <b>Observed Band</b>      | 130-170kD  |
| <b>Cell Pathway</b>       | Cell membrane; Single-pass type I membrane protein.  |
| <b>Tissue Specificity</b> | Expressed in bone marrow and in differentiated blood mononuclear cells.  |
| <b>Function</b>           | catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.;function:Protein tyrosine-kinase transmembrane receptor for CSF1 and IL34.;similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.;similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.;similarity:Contains 1 protein kinase domain.;similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.;subunit:Interacts with INPPL1/SHIP2 and THOC5.;tissue specificity:Expressed in bone marrow and in differentiated blood mononuclear cells.; |

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**Background**

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images