



# c-Fms (phospho Tyr809) Polyclonal Antibody

<b>Catalog No</b>	BYab-12990
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	CSF1R
<b>Protein Name</b>	Macrophage colony-stimulating factor 1 receptor
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human M-CSF Receptor around the phosphorylation site of Tyr809. AA range:781-830
<b>Specificity</b>	Phospho-c-Fms (Y809) Polyclonal Antibody detects endogenous levels of c-Fms protein only when phosphorylated at Y809.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
<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],

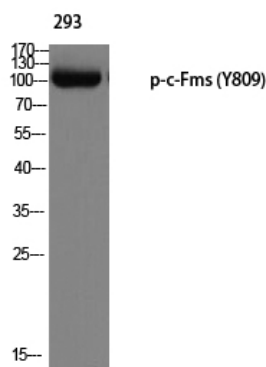
## matters needing attention

Avoid repeated freezing and thawing!

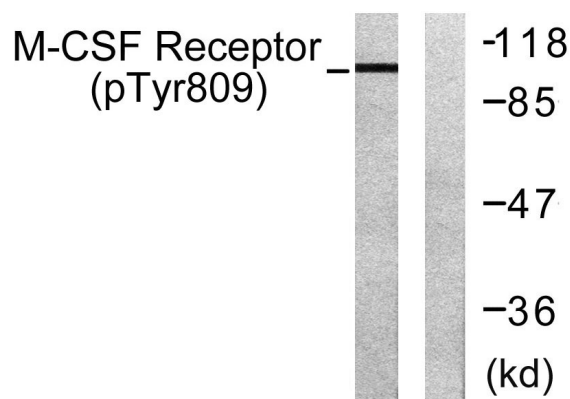
## Usage suggestions

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

## Products Images



Western blot analysis of 293 using p-c-Fms (Y809) antibody.



Western blot analysis of lysates from 293 cells treated with LPS 100ng/ml 30', using M-CSF Receptor (Phospho-Tyr809) Antibody. The lane on the right is blocked with the phospho peptide.

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