



c-Fms (phospho Tyr561) Monoclonal Antibody

Catalog NoBYmab-13040IsotypeIgGReactivityHuman;Mouse;RatApplicationsWBGene NameCSF1RProtein NameMacrophage colony-stimulating factor 1 receptorImmunogenThe antiserum was produced against synthesized peptide derived from human CSFR around the phosphorylation site of Tyr561. AAr range:531-580SpecificityPhospho-c-Fims (Y561) Monocional Antibody detects endogenous levels of c-Fms protein only when phosphorylated at Y561.FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.SourceMonoclonal, Mouse. IgGPurificationThe antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000Concentration1 mg/mlPurity290%Storage Stability-20°C/1 yearSynonymsCSF1R; FMS; Macrophage colony-stimulating factor 1 receptor; CSF-1 receptor; CSF-1 R; CSF-1R; M-CSF-R; Proto-oncogene c-Fms; CD antigen CD115Observed Band130-170kDCell PathwayCell membrane; Single-pass type 1 membrane protein.Tissue SpecificityExpressed in bone marrow and in differentiated blood mononuclear cells.Functioncatalytic activity/ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine family		
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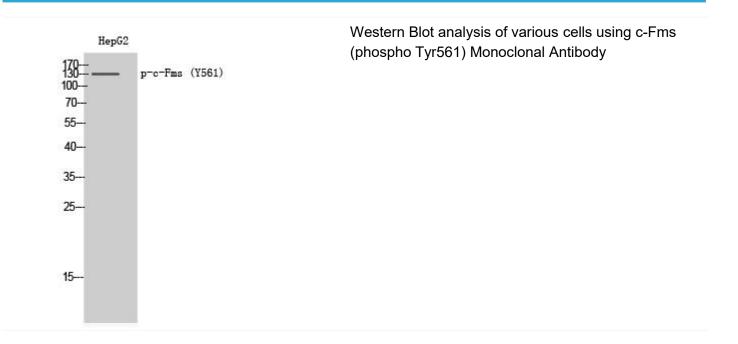
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Background	The protein encoded by this gene is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of 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.

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