

Product datasheet for **TA320313**

MCSF Receptor (CSF1R) Rat Monoclonal Antibody [Clone ID: 12-3A3-1B10]

Product data:

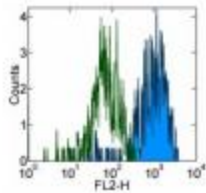
Product Type:	Primary Antibodies
Clone Name:	12-3A3-1B10
Applications:	FC
Recommended Dilution:	Flow, IHC, IP, WB
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	colony stimulating factor 1 receptor
Database Link:	NP_005202 Entrez Gene 1436 Human P07333
Background:	CD115 or Colony-Stimulating Factor-1 Receptor (CSF-1R) is expressed on cells committed to the monocyte lineage and osteoclasts. CSF-1R is a disulfide-linked homodimer, which upon binding of its ligand, CSF-1, undergoes tyrosine autophosphorylation and subsequently, phosphorylates other membrane-proximal downstream targets which results in cytoskeletal remodeling, gene transcription and protein translation. CSF-1R activation promotes the survival, proliferation and differentiation of mononuclear phagocytes and the spreading and motility of macrophages. In osteoclasts, CSF-1R synergizes with RANKL to regulate the differentiation of mononuclear phagocytes to osteoclasts.
Synonyms:	C-FMS; CD115; CSF-1R; CSFR; FIM2; FMS; HDLS; M-CSF-R
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane



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Protein Pathways: Cytokine-cytokine receptor interaction, Endocytosis, Hematopoietic cell lineage, Pathways in cancer

Product images:



Staining of normal human peripheral blood cells with 0.5 ug of Rat IgG2a K Isotype Control Purified (open histogram) or 0.5 ug of Anti-Human CD115 (c-fms) Purified (filled histogram) followed by Anti-Rat IgG Biotin and Streptavidin PE. Cells in the monocyte gate were used for analysis.