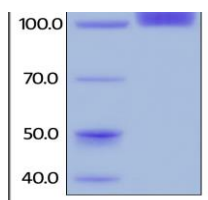


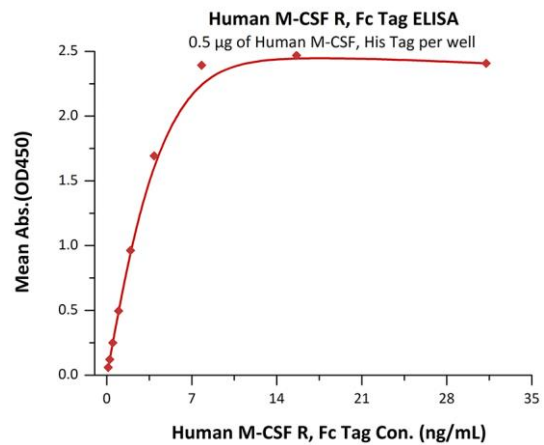
Human CellExp™ CSF1R/CD115, Fc Tag, Human Recombinant,

CATALOG #:	P1374-100 P1374-20
AMOUNT:	100 µg 20 µg
ALTERNATE NAMES:	CSF1R, C-FMS, CD115, CSFR, FIM2, FMS, M-CSFR
MOL. WT.	80.7 kDa (IgG1 Fc tag at C-terminus)
SOURCE:	HEK293 cells
PURITY:	>95% by SDS-PAGE
ENDOTOXIN:	Less than 0.1 EU per µg by the LAL method.
FORM:	Liquid
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Reconstitute in sterile deionized water to a concentration of 50 µg/ml.
SPECIFIC ACTIVITY:	Immobilized Human M-CSF, His Tag at 5 µg/mL (100 µL/well) can bind Human M-CSF R, Fc Tag with a linear range of 0.1-4 ng/mL
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles.
DESCRIPTION:	Colony stimulating factor 1 receptor (CSF1R) is also known as macrophage colony-stimulating factor receptor (M-CSFR), CD115 Cluster of Differentiation 115 (CD115), C-FMS, CSFR, FIM2, FMS, and is a member of the type III subfamily of receptor tyrosine kinases (RTKs). CSF1R is a receptor for a cytokine called colony stimulating factor 1, The protein encoded by the CSFR1 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 CSFR1 through a process of oligomerization and transphosphorylation. Mutations in CSF1R are associated with chronic myelomonocytic leukemia and type M4 acute myeloblastic leukemia. Increased levels of CSF1R1 are found in microglia in Alzheimer's disease and after brain injuries. The increased receptor expression causes microglia to become more active. Both CSF1R, and its ligand colony stimulating factor 1 play an important role in the development of the mammary gland and may be involved in the process of mammary gland carcinogenesis.
AMINO ACID SEQUENCE:	AA Ile 20 - Glu 512

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Human M-CSF R, Fc Tag on SDS-PAGE under reducing (R) condition.



Immobilized Human M-CSF, His Tag at 5 µg/mL (100 µL/well) can bind Human M-CSF R, Fc Tag with a linear range of 0.1-4 ng/mL

RELATED PRODUCTS:

- Human CellExp™ CSF1R/CD115, Mouse Recombinant (P1080)
- Human CellExp™ CSF1R / CD115 / CD6, human recombinant (7505)
- Human CellExp™ CSF1R/CD115, mouse recombinant, Fc Tag (P1079)

FOR RESEARCH USE ONLY! Not to be used on humans.

