

Anti-Zebrafish M-CSFR/CSF1R Antibody Fluoro488 Conjugated

Catalog Number: AZQ9I8N6-Fluoro488

About CSF1R

CSF1R(Colony-Stimulating Factor 1 Receptor) also known as MCSFR, FMS, c-FMS, CD115, ONCOGENE FMS or CD115 ANTIGEN, encodes a tyrosine kinase growth factor receptor for colony-stimulating factor-1, the macrophage-and monocyte-specific growth factor. The gene is located on long arm of chromosome 5(5q32) on the Crick(minus) strand. The as-yet-unidentified^oCSF1 Rpromoter/enhancer sequences may be confined to the nucleotides separating the 2 genes or could potentially lie within the PDGFR gene itself. The encoded protein is a single pass type I membrane protein and acts as the receptor for^oColony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. The encoded protein is atyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Kondo et al.(2000) showed that the endogenous myelomonocytic cytokine receptors for GM-CSF and macrophage colony-stimulating factor(CSF1R) are expressed at low to moderate levels on the more primitive hematopoietic stem cells, are absent on common lymphoid progenitors, and are upregulated after myeloid lineage induction by IL2.

Overview

Product Name	Anti-Zebrafish M-CSFR/CSF1R Antibody Fluoro488 Conjugated
Reactive Species	Zebrafish
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9I8N6

Technical Details

Immunogen	E.coli-derived zebrafish M-CSFR/CSF1R recombinant protein (Position: D409-C977)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

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