

Datasheet for ABIN7092907
anti-CSF1R antibody (AA 20-514)



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2 Images

Overview

Quantity:	100 µg
Target:	CSF1R
Binding Specificity:	AA 20-514
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CSF1R antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human CSF1R (Ile20-Leu514) (ABIN6961125) produced by using human HEK293 cells
Clone:	DM106
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

Target Details

Target:	CSF1R
Alternative Name:	CSF1R (CSF1R Products)
Background:	Synonyms: CSF1R, C-FMS, CD115, CSFR, FIM2, FMS, M-CSFR

Target Details

Description: 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. Expression of a splice variant from an LTR promoter has been found in Hodgkin lymphoma (HL), HL cell lines and anaplastic large cell lymphoma.

Molecular Weight:	55.6 kDa
Gene ID:	1436
UniProt:	P07333
Pathways:	RTK Signaling , Inositol Metabolic Process , Cell-Cell Junction Organization

Application Details

Application Notes:	ELISA 1/5000-10000, Flow Cyt 1/100
Restrictions:	For Research Use only

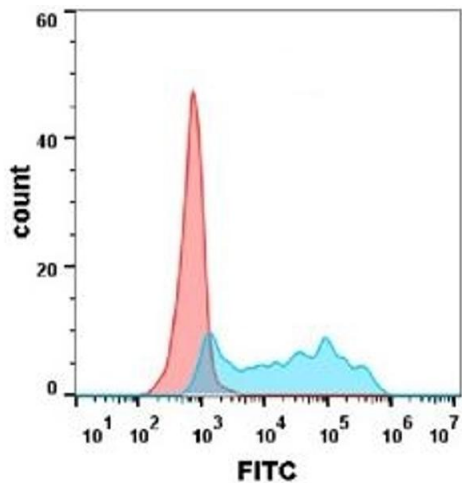
Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization., 0.1 % Procline 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, -80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient temperature.

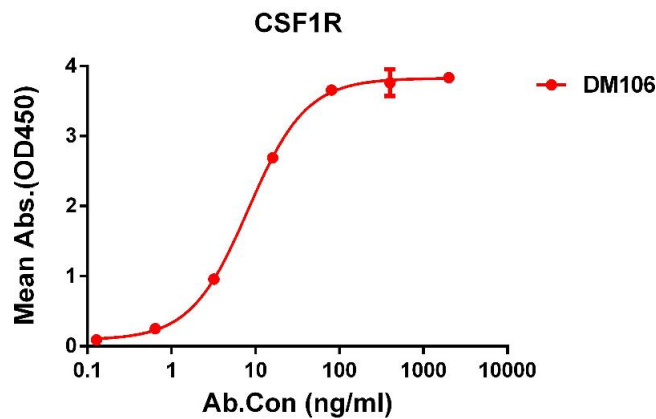
Expiry Date: 12 months

Images



Flow Cytometry

Image 1. Flow cytometry analysis with Anti-R (DM106) on Expi293 cells transfected with human R (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



ELISA

Image 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human R protein, His tagged protein ABIN6961125, ABIN7042279 and ABIN7042280 can bind Rabbit anti- R monoclonal antibody (clone: DM106) in a linear range of 0.6-60 ng/mL.