

## 12-9412: Anti-CSF1R antibody(9A5), IgG1 Chimeric mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	9A5
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Uniprot ID :</b>	P07333
<b>Alternative Name :</b>	CSF1R,C-FMS,CD115,CSFR,FIM2,FMS,M-CSFR
<b>Isotype :</b>	Rabbit/Human Fc chimeric IgG1

### Description

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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.

### Product Info

<b>Amount :</b>	10 µg / 100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage condition :</b>	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.

### Application Note

FACS 1/100

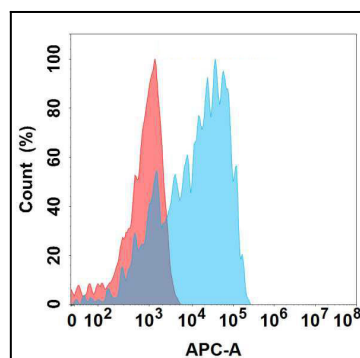


Figure 1. Flow cytometry analysis with 1<sup>1</sup>/<sub>4</sub>g/mL Anti-CSF1R (9A5) mAb on Expi293 cells transfected with human CSF1R (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).