

For Research Use Only

CSF1R/CD115 Polyclonal antibody

Catalog Number: 34701-1-AP



Basic Information

Catalog Number:

34701-1-AP

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC047521

GeneID (NCBI):

1436

UNIPROT ID:

P07333

Full Name:

colony stimulating factor 1 receptor

Calculated MW:

972 aa, 108 kDa

Observed MW:

140, 160 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : THP-1 cells,

Background Information

CSF1R (colony-stimulating factor 1 receptor), also known as CD115, is a receptor tyrosine kinase of the class III receptor tyrosine kinase family that regulates the development and function of the mononuclear phagocyte system. It is primarily expressed on monocytes, macrophages, microglia, and their progenitors. CSF1R is activated by its ligands colony-stimulating factor 1 (CSF1/M-CSF) and interleukin-34 (IL-34), leading to receptor dimerization and activation of downstream signaling pathways, including PI3K/AKT, MAPK/ERK, JAK/STAT, and SRC family kinases. Through these pathways, CSF1R regulates cell survival, proliferation, differentiation, migration, and phagocytic activity.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

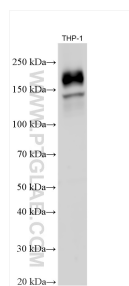
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34701-1-AP (CSF1R/CD115 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.