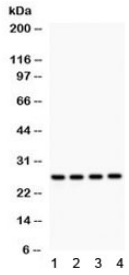
Flt3 ligand Antibody (R32117)

Catalog No.	Formulation	Size
R32117	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P49771
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This Flt3 ligand antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat spleen, 3) rat kidney and 4) human SMMC lysate with Flt3 ligand antibody. Predicted/observed molecular weight ~26 kDa.

Description

FLT3LG (FMS-Related Tyrosine Kinase 3 Ligand) also called FLT3 LIGAND, FL or FLT3L, is a protein which in humans is encoded by the FLT3LG gene. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8-positive classical DCs and their CD103-positive tissue counterparts. Flt3 ligand (FL) is a hematopoietic four helical bundlecytokine. It is structurally homologous to stem cell factor (SCF) and colony stimulating facor 1 (CSF-1). In synergy with other growth factors, Flt3 ligand stimulates the proliferation and differentiation of various blood cell progenitors. Lyman et al. (1993) found that Flt3 ligand stimulated proliferation of hematopoietic progenitor cells isolated from mouse fetal liver or adult mouse bone marrow. Hannum et al. (1994) concluded that FL enhances the response of

stem and primitive progenitor cells to other growth factors to generate all myeloid lineages except erythroid cells. Assays of C-terminally truncated FL proteins confirmed that the N-terminal half conferred FL activity. Depletion of the Pi3k -Mtor negative regulator Pten facilitated Flt3l-driven DC development in culture.

Application Notes

Optimal dilution of the Flt3 ligand antibody should be determined by the researcher.

Immunogen

Amino acids AQRWMERLKTVAGSKMQGLLERVNTEIHFVTK of human Flt3 ligand were used as the immunogen for the Flt3 ligand antibody.

Storage

After reconstitution, the Flt3 ligand antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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