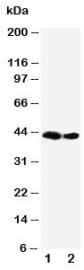
Flt3 ligand Antibody (R31014)

Catalog No.	Formulation	Size
R31014	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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/thimerosal
UniProt	P49771
Applications	Western blot: 0.5-1ug/ml
Limitations	This Flt3 ligand antibody is available for research use only.



Western blot testing of Flt3 ligand antibody and recombinant protein, 41KD with tag; Lane 1: 10ng; 2: 5ng

Description

Flt3 (FMS-Related Tyrosine Kinase 3) Ligand, also called FL or FLT3L, is a protein which in humans is encoded by the FLT3LG gene. The protein controls the development of DCs and is particularly important for plasmacytoid DCs and CD8-positive classical DCs and their CD103-positive tissue counterparts. FLT3L 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, FLT3L stimulates the proliferation and differentiation of various blood cell progenitors. Lyman et al.(1993) found that it stimulated proliferation of hematopoietic progenitor cells isolated from mouse fetal liver or adult mouse bone marrow. Hannum et al.(1994) concluded that FLT3L 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

The stated application concentrations are suggested starting amounts. Titration of the Flt3 ligand antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Flt3 ligand (HWQRTRRRTPRPGEQ) was used as the immunogen for this 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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