

Anti-Flt3 ligand/Flt3lg Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A04987-Fluoro488

About Flt3lg

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 bundle cytokine. It is structurally homologous to stem cell factor (SCF) and colony stimulating factor 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.

Overview

Product Name	Anti-Flt3 ligand/Flt3lg Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P49772

Technical Details

Immunogen	E. coli-derived mouse Flt3 ligand recombinant protein (Position: T28-Q189).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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