Flt3 Ligand (FLT3LG) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Flt3 Ligand (FLT3LG), Polyclonal Antibody
Full Product Name	Flt3 Ligand Conjugated Antibody
Product Gene Name	anti-FLT3LG antibody
Product Synonym Names	SL cytokine [Precursor]; Fms-related tyrosine kinase 3 ligand; Flt3 ligand; Flt3L; FLT3LG
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total Flt3 ligand protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	26,416 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (49977466..49989488). Location: 19q13.3
OMIM	600007
3D Structure	ModBase 3D Structure for P49771
Immunogen	Synthesized peptide derived from internal of human Flt3 ligand.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-FLT3LG antibody	Most Applications
Application Notes for anti-FLT3LG antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-FLT3LG antibody	Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins.
Other Notes	Small volumes of anti-FLT3LG antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FLT3LG purchase	MBS9444685 is an antibody targeting FLT3LG. Also known as Flt3 Ligand Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FLT3LG. It may not necessarily be applicable to this product.

NCBI GI #	325197197
NCBI GeneID	2323
NCBI Accession #	NP_001191431.1
UniProt Primary Accession #	P49771
UniProt Secondary Accession #	A0AVC2; B9EGH2
UniProt Related Accession #	P49771
GenBank Nucleotide #	NM_001204502.1
NCBI Official Full Name	fms-related tyrosine kinase 3 ligand
NCBI Official Synonym Full Names	fms-related tyrosine kinase 3 ligand
NCBI Official Symbol	FLT3LG
NCBI Official Synonym Symbols	FL; FLT3L
UniProt Protein Name	Fms-related tyrosine kinase 3 ligand
UniProt Synonym Protein Names	SL cytokine
Protein Family	Fms-related tyrosine kinase
UniProt Gene Name	FLT3LG
UniProt Synonym Gene Names	Flt3 ligand; Flt3L
UniProt Entry Name	FLT3L_HUMAN
NCBI Protein Information	fms-related tyrosine kinase 3 ligand; flt3 ligand
NCBI Summary for FLT3LG	Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103 (ITGAE; MIM 604682)-positive tissue counterparts (summary by Sathaliyawala et al., 2010 [PubMed 20933441]).[supplied by OMIM, Jan 2011]
UniProt Comments for FLT3LG	FLT3LG: Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cytokine; Ligand, receptor tyrosine kinase; Membrane protein, integral Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: extracellular space; membrane; integral to membrane Molecular Function: protein homodimerization activity; cytokine activity; receptor tyrosine kinase binding; receptor binding Biological Process: positive regulation of natural killer cell differentiation; regulation of myeloid dendritic cell activation; lymphocyte differentiation; embryonic hemopoiesis; positive regulation of cell proliferation; positive regulation of protein amino acid phosphorylation; signal transduction; positive regulation of myoblast differentiation
Research Articles on FLT3LG	**1.** Human bone marrow stromal cells simultaneously support B and T/NK lineage development from human haematopoietic progenitors: a principal role for flt3 ligand in lymphopoiesis.
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