



Human FLT3LG peptide (DAG290)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Human FLT3LG is a single, non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of 17,605Da, the sequence of the first five N-terminal amino acids was determined and was found to be Thr-Gln-Asp-Cys-Ser. Contains
Antigen Description	Fms-related tyrosine kinase 3 ligand (FLT3LG) is a protein which in humans is encoded by the FLT3LG gene. 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.
Species	Human
Conjugate	Unconjugated
Applications	The ED ₅₀ , calculated by the dose-dependent stimulation of the proliferation of human OCMI-AML5 cells is 0.5 to 1.0 ng/ml. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested.
Format	Purified, Lyophilized. Reconstitute using sterile deionized water to a concentration of 100 µg/ml. Further dilutions can be made in other aqueous buffers.
Concentration	Not applicable
Buffer	Not applicable
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction

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]

Keywords

FLT3LG; fms-related tyrosine kinase 3 ligand; FL; FLT3L; flt3 ligand;

GENE INFORMATION

Entrez Gene ID

[2323](#)

UniProt ID

[B7ZLY4](#)