



Human KIT Ligand (DAG357)

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

PRODUCT INFORMATION

Product Overview	Ahematopoietic growth factor that exerts its activity at the early stages ofhematopoiesis. KITLG stimulates the proliferation of myeloid, erythroid, andlymphoid progenitors in bone marrow cultures and has been shown to actsynergistically with colony stimu
Antigen Description	StemCell Factor (also known as SCF, kit-ligand, KL, or steel factor) is acytokine that binds to the c-Kit receptor (CD117). SCF can exist both as atransmembrane protein and a soluble protein. This cytokine plays an importantrole in hematopoiesis (formation of blood cells), spermatogenesis, andmelanogenesis.
Species	Human
Conjugate	Unconjugated
Applications	The ED50as determined by the dose-dependent stimulation of TF-1 cells was foundto be and It; 2.0ng/ml, corresponding to a specific activity of and gt;5x105units/mg. Each laboratory should determine an optimum working titer for usein its particular applica
Format	Purified, Lyophilized. Reconstitute in 10mM Acetic Acid to a concentration of0.1-1.0 mg/ml. This solution can be diluted into water or othe bufferedolutions or stored at -20° C for future use.
Concentration	Not applicable.
Buffer	Not applicable.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction This gene encodes the ligand of the tyrosine-kinase receptor encoded by the KIT locus. This

ligand is a pleiotropic factor that acts in utero in germ cell and neural cell development, and hematopoiesis, all believed to reflect a role in cell migration. In adults, it functions pleiotropically, while mostly noted for its continued requirement in hematopoiesis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Keywords

KITLG; KIT ligand; SF; MGF; SCF; FPH2; KL-1; Kitl; SHEP7; kit ligand; c-Kit ligand; steel factor; stem cell factor; mast cell growth factor; familial progressive hyperpigmentation 2;
