

Product Datasheet

Human SCF/c-kit Ligand ELISA Kit (Colorimetric) KA1022

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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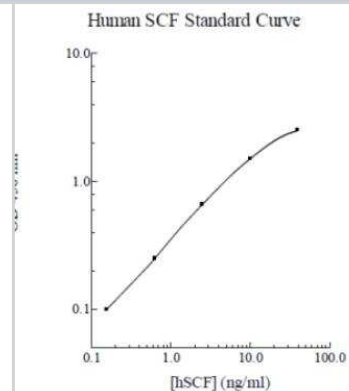


KA1022**Human SCF/c-kit Ligand ELISA Kit (Colorimetric)**

Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Description	KITLG (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human KITLG in plasma, serum, and cell culture supernatants.
Gene ID	4254
Gene Symbol	KITLG
Species	Human
Kit Components	Human SCF Microplate: A polystyrene microplate coated with a polyclonal antibody against human SCF., Sealing Tapes: Each kit contains pre-cut, pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay., Human SCF Standard: Human SCF in a buffered protein base (lyophilized)., Biotinylated SCF Antibody (100x): A 100-fold concentrated biotinylated polyclonal antibody against SCF., EIA Diluent Concentrate (10x): A 10-fold concentrated buffered protein base., Wash Buffer Concentrate (20x): A 20-fold concentrated buffered surfactant., Streptavidin-Peroxidase Conjugate (SP Conjugate): A 100-fold concentrate., Chromogen Substrate: A ready-to-use stabilized peroxidase chromogen substrate tetramethylbenzidine., Stop Solution: A 0.5 N hydrochloric acid to stop the chromogen substrate reaction.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	0.156 to 40 ng/mL
Sensitivity	0.09 ng/mL
Inter Assay	CV% < 7.20%
Intra Assay	CV% < 4.50%
Assay Type	Sandwich ELISA
Spiking Recovery	96%
Suitable Sample Type	Cell Culture Supernatant, Plasma, Serum
Sample Volume	50 uL
Product Application Details	
Applications	ELISA, Quantification
Recommended Dilutions	ELISA, Quantification

Images

ELISA: SCF/c-kit Ligand ELISA Kit [HRP] [KA1022] - Standard curve



Publications

Levina V, Marrangoni A, Wang T et al. Elimination of human lung cancer stem cells through targeting of the stem cell factor-c-kit autocrine signaling loop. *Cancer Res.* 2010-01-01 [PMID: 20028869]

Piao CS, Gonzalez-Toledo ME, Xue YQ et al. The role of stem cell factor and granulocyte-colony stimulating factor in brain repair during chronic stroke. *J Cereb Blood Flow Metab.* 2009-04-01 [PMID: 19209180]

Al-Muhsen SZ, Shablovsky G, Olivenstein R et al. The expression of stem cell factor and c-kit receptor in human asthmatic airways. *Clin Exp Allergy.* 2004-06-01 [PMID: 15196279]

Perumal D, Pillai S, Nguyen J et al. Nicotinic acetylcholine receptors induce c-Kit ligand/Stem Cell Factor and promote stemness in an ARRB1/ beta-arrestin-1 dependent manner in NSCLC. *Oncotarget.* 2014-11-15 [PMID: 25401222] (ELISA, Human)



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Products Related to KA1022

NBP2-35256-100ug	Recombinant Human SCF/c-kit Ligand Protein
210-TA-005	TNF-alpha [Unconjugated]
255-SC-010	SCF/c-kit Ligand [Unconjugated]
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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