

## Human SCF Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0234	<b>Applications</b>	ELISA
<b>Synonyms</b>	KITLG, FPH2, KL-1, Kitl, MGF, SF, SHEP7		

### Kit components & Storage

Title	Specifications	Storage
Human SCF Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human SCF Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

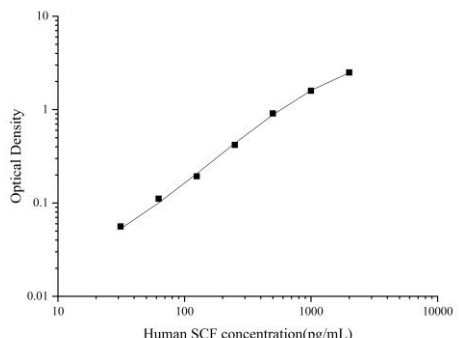
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0234)	
		Human SCF Capture Antibody	Human SCF Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human SCF protein	Recombinant Human SCF protein
	Swissprot	P21583	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A	Protein A
	Specificity	Detects Human SCF in ELISAs.	

## Applications

### Human SCF Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4µg/mL	Human SCF Capture Antibody	 <p>The graph is a log-log plot. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The x-axis is labeled 'Human SCF concentration(pg/mL)' and ranges from 10 to 10000. Six data points are plotted, showing a clear upward trend. The points are approximately at (30, 0.05), (50, 0.1), (100, 0.2), (200, 0.4), (500, 0.8), and (1000, 1.5).</p>
ELISA Detection	1:1000-1:10000	Human SCF Detection Antibody (Biotin)	

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

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.