

Human SCFR Antibody Pair Set

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|--------------------|--|---------------------|-------|
| Catalog No. | E-KAB-0720 | Applications | ELISA |
| Synonyms | Proto-oncogene c-Kit;tyrosine-protein kinase Kit;CD117;KIT;PBT | | |

Kit components & Storage

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

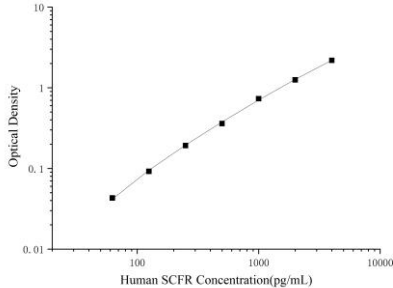
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

| Items | | Characteristic (E-KAB-0720) | |
|-----------------------|---------------|--|---|
| | | Human SCFR Capture Antibody | Human SCFR Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human SCFR protein | Recombinant Human SCFR protein |
| | Swissprot | P10721 | |
| Product details | Reactivity | Human | Human |
| | Host | Goat | Goat |
| | 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 | Affinity purification | Affinity purification |
| | Specificity | Detects Human SCFR in ELISAs. | |

Applications

Human SCFR Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images |
|-----------------|------------------------------------|--|--|
| ELISA Capture | 0.5-4ug/mL | Human SCFR Capture Antibody |  |
| ELISA Detection | 1:1000-1:10000 | Human SCFR Detection Antibody (Biotin) | |

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

Background

CD117 is a 145 kD immunoglobulin superfamily member, also known as c-Kit and stem cell factor receptor (SCFR). It is a transmembrane tyrosine-kinase receptor that binds the c-Kit ligand (also known as steel factor, stem cell factor, and mast cell growth factor). CD117 is expressed on hematopoietic stem cells (including multipotent hematopoietic stem cells, progenitors committed to myeloid and/or erythroid lineages, and T and B cell precursors), mast cells, and acute myeloid leukemia (AML) cells. CD117 interaction with its ligand is critical for the development of hematopoietic stem cells.