

Code No. 18114

**Anti-Human
SCF (K151) Rabbit IgG Affinity Purify**Volume : 100 μ g

Introduction : Stem cell factor (SCF) and its receptor KIT play an important role in various biologic phases, such as hematopoiesis, reproduction, and regeneration. Structurally, c-Kit contains five immunoglobulin-like domains extracellularly and a catalytic domain divided into two regions by a 77 amino acid insert intracellularly. Studies in white spotting and steel mice have shown that functional SCF and c-Kit are critical in the survival and development of stem cells involved in hematopoiesis, pigmentation and reproduction. Mutations in c-Kit are associated with a variety of human diseases. Interaction of SCF with c-Kit rapidly induces receptor dimerization and increases in autophosphorylation activity. Downstream of c-Kit, multiple signal transduction components are activated, including phosphatidylinositol-3-kinase, Src family members, the JAK/STAT pathway and the Ras-Raf-MAP kinase cascade.

Antigen : Synthetic peptide for a part of Human SCF

Purification : Affinity Purified with synthetic peptide

Form : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃

How to use : 1 ml distilled water will be added to the product

Dilution : PBS (pH7.4) containing 1% BSA

Stability : Lyophilized product, 5 years at 2 – 8 °C
: Solution, 2 years at –20 °C

Application : This antibody can be used for western blotting in concentration of 1 ~ 5 μ g/ml.

Specificity : Cross React to Mouse and Rat SCF

For research use only, not for use in diagnostic procedures.

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Immuno-Biological Laboratories, Inc. Toll-Free: 888-523-1246
8201 Central Ave NE, Suite P Email: info@IBL-America.com
Minneapolis, MN 55432 Web: www.IBL-America.com