

SCF Antibody (1C5G10), mAb, Mouse**Cat. No.:** A01061-40**Size:** 40 µg**Synonyms:** Mouse Anti-SCF mAb;**Description:**

Stem cell factor (SCF) is a hematopoietic growth factor that exerts its activity at the early stages of hematopoiesis. SCF stimulates the proliferation of most cells and is able to augment the proliferation of both myeloid and lymphoid hematopoietic progenitors in bone marrow culture. It also mediates cell to cell adhesion and acts synergistically with other cytokines, probably interleukins. A soluble form is produced by proteolytic processing of isoform 1 in the extracellular domain.

GenScript **Human SCF Antibody (1C5G10), mAb, Mouse** is produced from the hybridoma resulting from fusion of Sp2/0 myeloma and lymphocytes obtained from mouse immunized with purified human recombinant SCF protein (Swiss Prot: P21583).

Immunogen: Purified human recombinant SCF protein (Swiss Prot: P21583).

Host: Mouse

Antigen Synonyms: Human

Conjugation: Unconjugated

Fusion Partner:

Spleen cells are fused with SP2/0-Ag14 mouse myeloma cells.

Predicated Band Size:

18.4 kD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide

Clone: 1C5G10

Ig Subclass: IgG1, κ

Specificity: GenScript Mouse Anti-SCF mAb specifically reacts with human SCF. It has not yet been tested in other species.

Purification: Protein A affinity column

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1.0 µg/ml

Other applications: user-optimized

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.