



20150217ML

Anti-Human SCF-R (#14G5)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M622
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with human recombinant protein of SCF-R extracellular domain (also called c-kit)).

Target Background

Synonyms (Target):	KIT, PBT; SCFR; C-Kit; CD117
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Stem cell factor receptor (CD117, the gene product of the c-kit proto-oncogene) and its ligand, stem cell factor, play essential roles in gametogenesis, melanogenesis and hematopoiesis. Stem cell factor receptor is a member of the type III subfamily of receptor tyrosine kinases (RTK) that also includes the receptors for M-CSF, Flt-3 and PDGF. It is expressed in hematopoietic progenitor cells, normal B and T cell progenitor cells, mast cells, germ cells, melanocytes, neurons, glial cells, placenta, kidney, lung and gut.

Database References Target

Protein RefSeq:	NP_000213.1
Uniprot ID:	P10721
mRNA RefSeq:	NM_000222.2

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#14G5)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	recombinant human SCF-R EC domain
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human SCF-R.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, N

Recommended usage:

Neutralization of SCF-R bioactivity: Yes

WB: Use at 1:500-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!