

Mouse Monoclonal Antibody to KIT

Catalogue Number sAP-0609

Target Molecule **Name:** KIT

Aliases: PBT; SCFR; C-Kit; CD117

MW: 145kDa

Entrez Gene ID: 3815

Description The c-Kit proto-oncogene is a member of the receptor tyrosine kinase family and, more specifically, is closely related to the platelet derived growth factor receptor (PDGFR). c-Kit, the normal cellular homolog of the HZ4-feline sarcoma virus transforming gene (v-Kit), encodes a transmembrane receptor. c-Kit regulates a variety of biological responses including chemotaxis, cell proliferation, apoptosis and adhesion. c-Kit is also identical with the product of the W locus in mice and, as such, is integral to the development of mast cells and hematopoiesis. The ligand for the c-Kit receptor (KL) has been identified and is encoded at the murine steel (SI) locus. Kit is the human homolog of the proto-oncogene c-Kit. Mutations in Kit are integral for tumor growth and progression in various cancers.

Immunogen Purified recombinant fragment of human KIT expressed in E. Coli. ;

Recitative Species Human

Clone MM1C5;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Curr Hematol Malig Rep. 2009 Apr;4(2):77-82. ; 2. Georgian Med News. 2010 Mar;(180):13-9. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**