

c-Kit/CD117 Monoclonal antibody

Catalog Number: 60169-1-Ig

Basic Information

Catalog Number:

60169-1-Ig

Size:150ul , Concentration: 1000 µg/ml by
Bradford method using BSA as the
standard;**Source:**

Mouse

Isotype:

IgG2b

GenBank Accession Number:

BC071593

GeneID (NCBI):

3815

UNIPROT ID:

P10721

Full Name:v-kit Hardy-Zuckerman 4 feline
sarcoma viral oncogene homolog**Calculated MW:**

110 kDa

Observed MW:

120 kDa

Purification Method:

Protein G purification

CloneNo.:

2E8G4

Applications

Tested Applications:

ELISA

Species Specificity:

human

Background Information

KIT, also named as SCFR, c-Kit and CD117, is a transmembrane tyrosine kinase encoded by the cKit proto oncogene. It is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). KIT acts to regulate a variety of biological responses including cell proliferation, apoptosis, chemotaxis and adhesion. Ligand(SCF) binding to the extracellular domain leads to autophosphorylation on several tyrosine residues within the cytoplasmic domain, and activation. Phosphorylation at tyrosine 721 of KIT allows binding and activation of PI3 kinase. Loss of expression of KIT appears to be associated with progression of some tumors (melanoma) and autocrine/paracrine stimulation of the kit/SCF system may participate in human solid tumors such as lung, breast, testicular and gynecological malignancies. Mutations in Kit have been found to be important for tumor growth and progression in a variety of cancers including mast cell diseases, gastrointestinal stromal tumor, acute myeloid leukemia, Ewing sarcoma and lung cancer.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.com
W: ptglab.com**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

