

CD117 (1A9) monoclonal antibody

Catalog: MB8588

Host: Mouse

Reactivity: Human, Mouse, Rat

Background:

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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 46 kDa

Swiss-Prot:

P10721

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

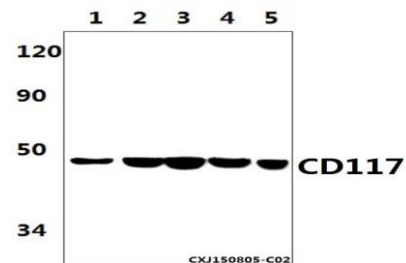
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

CD117 (1A9) monoclonal antibody detects endogenous levels of CD117 protein.

DATA:



Western blot (WB) analysis of CD117 (1A9) mAb at 1:1000 dilution

Lane1:Hela whole cell lysate(40ug)

Lane2:The Testis tissue lysate of Mouse(40ug)

Lane3:The Testis tissue lysate of Rat(40ug)

Lane4:Jurkat whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)

Note:

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

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