



C-Kit Mouse Monoclonal Antibody

E10-20121

Background: C-kit (CD117, 145kDa) functions as a tyrosine kinase receptor which becomes activated upon binding of its ligand SCF (stem-cell factor), the C-kit gene encodes the human homolog of the proto-oncogene c-kit. which was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. KIT is a type 3 transmembrane receptor for MGF (mast cell growth factor). Mutations in KIT are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism.

Catalog Number: E10-20121

Amount: 100µg/100µl

Clone Number: 8D7

Species: Mouse IgG1

MW: 145kDa

Aliases: PBT; SCFR; C-Kit; CD117; KIT

Entrez Gene: 3815

Immunogen: Purified recombinant fragment of C-kit expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IHC, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000, IHC.1/200 - 1/1000,ELISA. Propose dilution 1/10000.

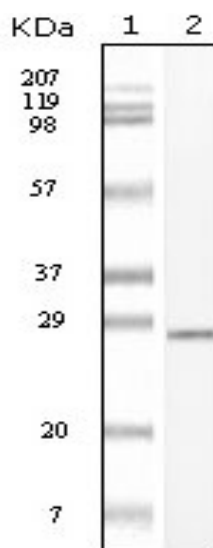


Figure 1. Western blot analysis using C-kit mouse mAb against truncated C-kit recombinant protein.

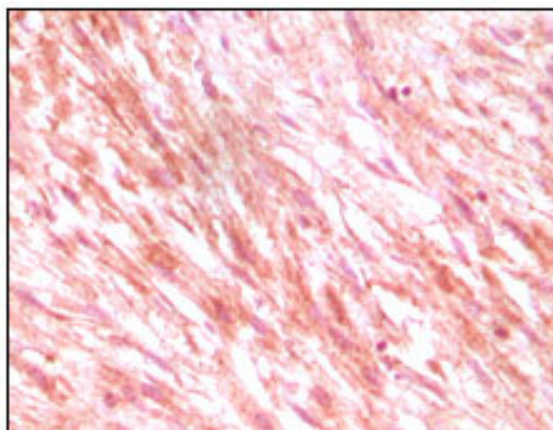


Figure 2. Immunohistochemical analysis of paraffin-embedded malignant mesenchymoma tissues, showing cytoplasmic localization using C-kit mouse mAb with DAB staining.

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