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CD117 (C-kit) (AB1377) mouse mAb

W0272

Key Features

Host Species
• Mouse

Reactivity
• Human;

Applications
• IHC; WB; IF; ELISA

MW
• 120 kDa (calculated)
• 150 kDa (observed)

Isotype
• IgG2b, kappa

Recommended Dilution Ratios

Application	Dilution
IHC; WB; IF; ELISA	IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1377
Immunogen	A synthetic peptide corresponding to the amino acid region 300 - 400 of the human CD117 protein.
Specificity	The antibody can specifically recognize human CD117 protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	KIT
Protein Name	CD117

Database Link

Organism	Swiss Prot.	Gene ID
Human	P10721	3815

Background

CD117 is a cell membrane protein encoded by the c-kit proto-oncogene and is a type III transmembrane protein tyrosine kinase growth factor receptor. CD117 is expressed in mast cells, melanocytes and interstitial cells of Cajal. CD117 is positive in 80-100% of gastric stromal sarcoma (GIST) . CD117, as a specific marker for immunohistochemical examination of gastric stromal sarcoma (GIST) , can be used to clinically guide the personalized target drug (Gleevec) treatment of GIST patients. CD117 can also be used to identify mast cell tumors in lymphoma and as a marker for some testicular germ cell tumors.