

CD117 (C-kit) (AB1377) mouse mAb

V0486

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 120 kDa (calculated)
- 150 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

Storage

Storage Conditions

Store at -20°C. 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

Human

Swiss Prot.

P10721

Gene ID

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.