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36-1338: Monoclonal Antibody to CD117 / c-Kit (Marker for Gastrointestinal Stromal Tumors)(C117/370 + KIT/982 + KIT/98(Discontinued)

Clonality :	Monoclonal
Clone Name :	C117/370 + KIT/982 + KIT/983
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	KIT
Gene ID :	3815
Uniprot ID :	P10721
Format :	Purified
Alternative Name :	KIT,SCFR
Isotype :	Mouse IgG
Immunogen Information :	Recombinant human CD117 proteins

Description

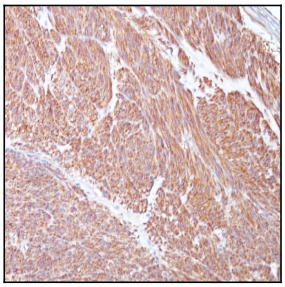
This MAb recognizes a protein of 145kDa, identified as CD117/p145kit. It is found on a wide variety of tumor cells including follicular and papillary carcinoma of thyroid, adenocarcinomas from endometrium, lung, ovary, pancreas, and breast as well as malignant melanoma, endodermal sinus tumor, and small cell carcinoma. However, anti-CD117 has been particularly useful in differentiating gastrointestinal stromal tumors from Kaposi's sarcoma, tumors of smooth muscle origin, fibromatosis, and neural tumors of the GI tract. Anti-CD117 is also useful in recognizing myeloblasts in bone marrow biopsy and clot section.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (0.5-1Âµg/million cells in 0.1ml); Immunofluorescence (0.5-1Âµg/ml); Immunohistology (Formalin-fixed) (0.5-1Âµg/ml for 30 minutes at RT); (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes); Optimal dilution for a specific application should be determined.



Formalin-fixed, paraffin-embedded human Gastrointestinal Stromal Tumor (GIST) stained with CD117 Monoclonal Antibody (C117/370 + KIT/982 + KIT/983).