

Mouse anti-Human. CD117 Monoclonal Antibody | anti-KIT antibody

CD117 / c-Kit

CATALOG # AAA62592	HOST Mouse	REACTIVITY Human.	APPLICATIONS Immunohistochemistry
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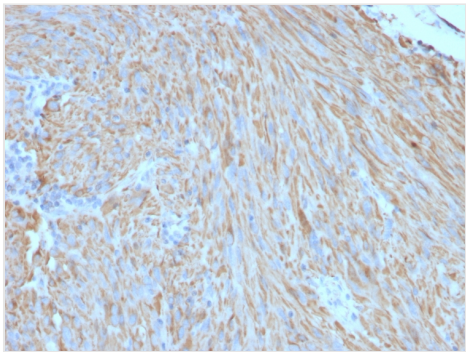
PRODUCT SYNONYMS

CD117; Monoclonal Antibody; CD117 / c-Kit; p145; Steel Factor Receptor; Stem Cell Factor Receptor (SCF-Receptor); Mast Cell Growth Factor Receptor; anti-KIT antibody

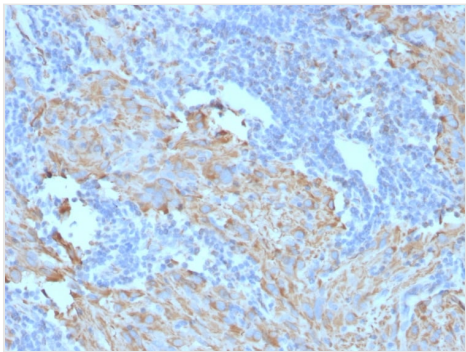
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	C117/370
Specificity	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.
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	976
Applicable Applications for anti-KIT antibody	IHC (Immunohistochemistry)
Localization	Cell surface and cytoplasmic
Positive Control	Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin.
Human Chromosomal Location	4q12
Immunogen	Recombinant human CD117 protein
Quantity and Buffer	0.5 ml at 200ug/ml with BSA and azide
Preparation and Storage	Store at 2 to 8 degree C. Antibody is stable for 24 months.

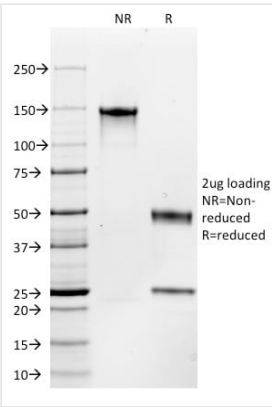
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed, paraffin-embedded human GIST stained with CD117 Mouse Monoclonal Antibody (C117/370).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human GIST stained with CD117 Mouse Monoclonal Antibody (C117/370).



SDS-PAGE
SDS-PAGE Analysis Purified CD117 Mouse Monoclonal Antibody (C117/370).

ADDITIONAL INFORMATION

References	1. Zafrani B, et. al. Histopathology 2000; 37(6), 536-545. 2. Harvey JM, et. al. Journal of Clinical Oncology 1999; 17(5), 1474-1481.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557695
NCBI GeneID	3815
NCBI Accession #	NP_000213.1
NCBI GenBank Nucleotide #	NM_000222.2
UniProt Accession #	P10721; Q6IQ28; Q99662; Q9UM99; B5A956; D5LXN2; D5M931; F5H8F8
Molecular Weight	~145kDa
NCBI Official Full Name	mast/stem cell growth factor receptor Kit isoform 1
NCBI Official Synonym Full Names	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
NCBI Official Symbol	KIT
NCBI Official Synonym Symbols	PBT; SCFR; C-Kit; CD117
NCBI Protein Information	mast/stem cell growth factor receptor Kit; p145 c-kit; proto-oncogene c-Kit; piebald trait protein; soluble KIT variant 1; tyrosine-protein kinase Kit; proto-oncogene tyrosine-protein kinase Kit; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene-like protein

UniProt Protein Name	Mast/stem cell growth factor receptor Kit
UniProt Gene Name	KIT
UniProt Synonym Gene Names	SCFR; SCFR; PBT
UniProt Entry Name	KIT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd117-antibody-clone-c117-370-immunohistochemistry-elisa/62592>