

Rabbit c-Kit Monoclonal Antibody | anti-KIT antibody

Recombinant Anti-c-Kit Antibody (PE), Rabbit Monoclonal

CATALOG # AAA255502	HOST Rabbit	APPLICATIONS Flow Cytometry, Functional Assay
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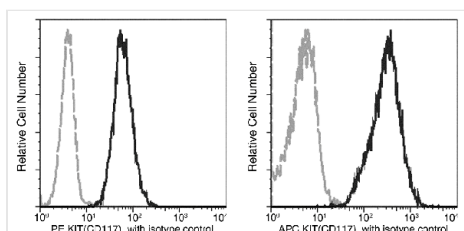
PRODUCT SYNONYMS

c-Kit; Monoclonal Antibody; Recombinant Anti-c-Kit Antibody (PE); Rabbit Monoclonal; c-Kit/CD117 Antibody (PE); Rabbit MAb; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog; Anti-C-Kit Antibody; Anti-CD117 Antibody; Anti-PBT Antibody; Anti-SCFR Antibody; anti-KIT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	007
Specificity	Human c-Kit/CD117
Form/Format	PBS solution containing 0.5% BSA and 0.09% sodium azide
Concentration	10ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-KIT antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human c-Kit/CD117 protein
Reagents	PE-conjugated Rabbit monoclonal antibody
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human c-Kit/CD117 (rh c-Kit/CD117; P10721-2; Met1-Thr516) and conjugated with PE under optimum conditions, the unreacted PE was removed.
Preparation and Storage	This antibody can be stored at 2-8°C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of human KIT (CD117) expression on TF-1 cells. TF-1 cells were stained with PE-conjugated anti-Human KIT (CD117). The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells. Flow Cytometry was performed on a BD FACSCalibur flow cytometry system.

ADDITIONAL INFORMATION

Product Categories/Family for anti-KIT antibody	Cancer Drug Targets Cardiac Stem Cell Markers Receptor Tyrosine Kinases (RTKs)
References	Andre C, et al. (1997) Sequence analysis of two genomic regions containing the KIT and the FMS receptor tyrosine kinase genes. Genomics. 39(2):216-26. Yarden Y, et al. (1987) Human proto-oncogene c-kit: a new cell surface receptor tyrosine kinase for an unidentified ligand. EMBO J. 6(11):3341-51. Leong KG, et al. (2008) Generation of a prostate from a single adult stem cell. Nature. 456(7223): 804-8. Edling CE, et al. (2007) c-Kit--a hematopoietic cell essential receptor tyrosine kinase. Int J Biochem Cell Biol. 39(11):1995-8. McIntyre A, et al. (2005) Amplification and overexpression of the KIT gene is associated with progression in the seminoma subtype of testicular germ cell tumors of adolescents and adults. Cancer Res. 65(18):8085-9.

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
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
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.