

Mouse CD117 Monoclonal Antibody | anti-CD117 antibody

Anti-Hu CD117 PE-Cyanine7

CATALOG # AAA128255	HOST Mouse	REACTIVITY Non-human primates, Human, Cow	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD117; Monoclonal Antibody; Anti-Hu CD117 PE-Cyanine7; KIT proto-oncogene; receptor tyrosine kinase; c-Kit; PBT; SCFR; anti-CD117 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Non-human primates, Human, Cow
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	104D2
Specificity	The mouse monoclonal antibody 104D2 detects extracellular part of CD117 / c-Kit protooncogen.
Purity/Purification	The purified antibody is conjugated with tandem dye PE-Cyanine7 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	976
Applicable Applications for anti-CD117 antibody	FCM/FACS (Flow Cytometry)
Immunogen	MOLM-1 megakaryocytic cells
Conjugation	PE-Cyanine7
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD117 antibody	CD117 / c-Kit (stem cell factor receptor) is a 145 kDa receptor tyrosine kinase that regulates cell proliferation, adhesion, chemotaxis, apoptosis and other cell processes. Mutations of CD117 / c-Kit can lead to growth and progression of tumours. After binding of its ligand, SCF (stem cell factor), CD117 / c-Kit is autophosphorylated on its intracellular domains and activated. CD117 is expressed on pluripotent hematopoietic progenitor cells, mast cells and various cancer cells, e.g. acute myeloid leukemia cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557695
NCBI GeneID	3815
NCBI Accession #	NP_000213.1
NCBI GenBank Nucleotide #	NP_000213.1
UniProt Accession #	P10721

NCBI Official Full Name	mast/stem cell growth factor receptor Kit isoform 1
NCBI Official Synonym Full Names	KIT proto-oncogene, receptor tyrosine kinase
NCBI Official Symbol	KIT
NCBI Official Synonym Symbols	PBT; SCFR; C-Kit; CD117; MASTC
NCBI Protein Information	mast/stem cell growth factor receptor Kit
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd117-antibody-clone-104d2-flow-cytometry-elisa/128255>