

Mouse CD117/c-kit ELISA Kit | Kit elisa kit

Mouse CD117/c-kit PicoKine ELISA Kit

CATALOG #
AAA46803

REACTIVITY
Mouse

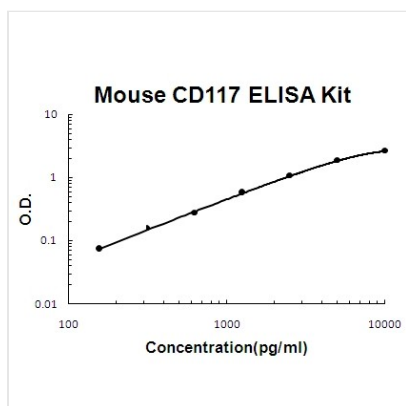
PRODUCT SYNONYMS

CD117/c-kit; Mouse CD117/c-kit PicoKine ELISA Kit; C Kit; CD 117; CD117; ckit; KIT oncogene; Mast; P10721; p145 c-kit; PBT; Piebald trait protein; Proto oncogene c Kit; Proto-oncogene c-Kit; SCFR; soluble KIT variant 1; Steel Factor Receptor; Stem cell factor receptor; Tyrosine-protein kinase Kit; Mast/stem cell growth factor receptor Kit; kit oncogene; Kit elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse CD117/c-kit
Sequence Length	979
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

Mouse CD117/c-kit PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Kit elisa kit	Principle of the Assay: Mouse CD117/c-kit ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from rat specific for CD117/c-kit has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: S25-P527) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD117/c-kit is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse CD117/c-kit amount of sample captured in plate. Background/Introduction: SCFR(Mast/stem cell growth factor receptor), also known as proto-oncogene c-Kit or tyrosine-protein kinase Kit or CD117, is a protein that in humans is encoded by the KIT gene. KIT was first described as the cellular homolog of the feline sarcoma viral oncogene v-kit. The KIT gene is mapped on 4q12. Kit was expressed on the surface of germ cells up to the pachytene stage. Signaling from the KIT receptor tyrosine kinase is essential for primordial germ cell growth both in vivo and in vitro. Determination of the KIT effectors acting in primordial germ cells has been hampered by the lack of effective methods to manipulate easily gene expression in these cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	170650721
NCBI GeneID	16590
NCBI Accession #	NP_001116205.1
NCBI GenBank Nucleotide #	NM_001122733.1
UniProt Accession #	P05532; Q61415; Q61416; Q61417; Q6LEE9; Q6QJB7; Q6QJB8; Q7TS86; Q8C8K9
Molecular Weight	22,814 Da
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	W; Bs; Fdc; Ssm; SCO1; SCO5; SOW3; CD117; c-KIT; Tr-kit; Gsfsc01; Gsfsc05; Gsfscow3
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	SI; SCFR

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/mouse-elisa-kits/cd117-c-kit/46803>