



Anti-KIT monoclonal antibody, clone 5G8 (CABT-12875MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene. Mouse monoclonal antibody raised against a partial recombinant KIT.
Immunogen	KIT (NP_000213, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	5G8
Conjugate	Unconjugated
Applications	WB,IHC,sELISA,ELISA
Sequence Similarities	PGKSDLIVRVGDEIRLLCTDPGFVKWTFEILDETENENKQNEWITEKAEATNTGKYTCTNK HGLSNSIYVFVRDPAKLFLVDRSLYGKEDNDTLVRCPLTD
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog [Homo sapiens]
Official Symbol	KIT
Synonyms	piebald trait; SCFR; mast/stem cell growth factor receptor; CD117; CD117 antigen; EC 2.7.10.1; EC 2.7.10; PBT; C-Kit; OTTHUMP00000158901; OTTHUMP00000218587; proto-oncogene c-Kit; 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
Entrez Gene ID	3815
Protein Refseq	NP_000213
UniProt ID	A0A024RDA0
Chromosome Location	4q11-q12
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; C-MYB transcription factor network, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endocytosis, organism-specific biosystem
Function	ATP binding; nucleotide binding; protein binding; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; stem cell factor receptor activity