



Rabbit Anti-Human c-Kit monoclonal antibody, clone ID45MD25 (CABT-L1440)

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

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with bovine, equine, goat, non-human primate, rat and porcine based on sequence homology.
Target	KIT
Immunogen	Peptide corresponding to amino acids 246-261 of human c-Kit
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	ID45MD25
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	FC, ICC, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

BACKGROUND

Introduction

CD117 is a member of the tyrosine kinase receptor family and is expressed by subsets of hematopoietic progenitor cells and mast cells. This proto-oncogene binds to stem cell factor to form a dimer. This interaction promotes proliferation and differentiation of hematopoietic progenitor cells, and mast cell differentiation. CD117 is also expressed by melanocytes and plays a role in signaling and activation of these cells.

Keywords

KIT;v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog;PBT;SCFR;C-Kit;CD117;mast/stem cell growth factor receptor Kit;p145 c-kit;proto-oncogene c-Kit;piebald trait protein

GENE INFORMATION

Entrez Gene ID

[3815](#)

UniProt ID

[P10721](#)