

## c-Kit(Phospho-Ser741) Antibody FITC Conjugated

Catalog No: #C05743F

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## Description

Product Name	c-Kit(Phospho-Ser741) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from human c-Kit around the phosphorylation site of Ser741
Conjugates	FITC
Target Name	c-Kit Ser741
Other Names	c-Kit phospho S741; c-Kit phospho Ser741; p-c-Kit Ser 741; C Kit; c-Kit; CD 117; CD117; CD117 antigen; KIT; KIT_HUMAN; Mast stem cell growth factor receptor; Mast stem cell growth factor receptor Kit; p145 c-kit; PBT; Piebald trait protein; Proto oncogene c Kit; Proto oncogene tyrosine protein kinas
Accession No.	NCBI Gene ID3815
Uniprot	P10721
GeneID	3815;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

Flow-Cyt=1:50-200 IF=1:50-200

## Background

c-Kit is a transmembrane tyrosine kinase encoded by the cKit proto oncogene. c-Kit acts to regulate a variety of biological responses including cell proliferation, apoptosis, chemotaxis and adhesion. Ligand binding to the extracellular domain leads to autophosphorylation on several tyrosine residues within the cytoplasmic domain, and activation. Mutations in c-Kit have been found to be important for tumor growth and progression in a variety of cancers including mast cell diseases, gastrointestinal stromal tumor, acute myeloid leukemia, Ewing sarcoma and lung cancer.

Phosphorylation at tyrosine 721 of c-Kit allows binding and activation of PI3 kinase.

Note: This product is for in vitro research use only