

## Anti-Hu CD117 Purified KIT Monoclonal Antibody

Catalog Number: M01335-3

### About KIT

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.

### Overview

Product Name	Anti-Hu CD117 Purified KIT Monoclonal Antibody
Reactive Species	Cow, Human, Primate
Description	Boster Bio Anti-Hu CD117 Purified KIT Monoclonal Antibody (Catalog# M01335-3). Tested in Flow Cytometry, IP, IHC-F, ICC application(s). This antibody reacts with Primate, Human, Cow.
Application	Flow Cytometry, IP, IHC-F, ICC
Clonality	Monoclonal 104D2
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P10721

### Technical Details

Immunogen	MOLM-1 megakaryocytic cells. The mouse monoclonal antibody 104D2 detects extracellular part of CD117 / c-Kit protooncogen.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:  
Boster Bio's internal QC testing used:  
Flow cytometry: 1 ug/ml.

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