

### 30-1410: Anti-CD117 / c-Kit Monoclonal Antibody (Clone:104D2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	104D2
<b>Application :</b>	FACS, IP, IHC-Fr, ICC
<b>Reactivity :</b>	Human, Non-Human Primates, Bovine
<b>Gene :</b>	KIT
<b>Gene ID :</b>	3815
<b>Uniprot ID :</b>	P10721
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KIT,SCFR
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	MOLM-1 megakaryocytic cells

#### Description

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.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry** *Recommended dilution:* 1 Åµg/ml

**Immunoprecipitation Immunohistochemistry (frozen sections) Immunocytochemistry**