

## Product datasheet for **AM08136FC-N**

### **KIT Mouse Monoclonal Antibody [Clone ID: kit2c75]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	kit2c75
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.6-10)
Reactivity:	Chicken
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Sp2/0 cells, Sp/chkit4A4, transfected with Chicken c-kit cDNA.
Specificity:	This antibody recognizes Chicken c-Kit.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: FITC State: Liquid purified Ig fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
Database Link:	<a href="#">Entrez Gene 378783 Chicken Q08156</a>



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**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.

**Synonyms:**

SCFR, KIT