

**产品名称: KIT Mouse Monoclonal Antibody**  
**产品货号: AMM82686**



## 产品概述 (Summary)

|                        |                               |
|------------------------|-------------------------------|
| 产品名称 (Production Name) | KIT Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody     |
| 宿主 (Host)              | Mouse                         |
| 应用 (Application)       | ICC,ELISA,FC                  |
| 种属反应性 (Reactivity)     | Human                         |

## 产品性能 (Performance)

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                             |
| 修饰 (Modification)   | Unmodified                                                                               |
| 同种型 (Isotype)       | Mouse IgG2b                                                                              |
| 克隆 (Clonality)      | Monoclonal                                                                               |
| 形式 (Form)           | Liquid                                                                                   |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide                                         |
| 纯化方式 (Purification) | Affinity Purification                                                                    |

## 免疫原信息 (Immunogen)

|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | KIT                                                                                  |
| 别名 (Alternative Names) | PBT; SCFR; C-Kit; CD117; MASTC                                                       |
| 基因 ID (Gene ID)        | 3815.0                                                                               |
| 蛋白 ID (SwissProt ID)   | P10721.Purified recombinant fragment of human KIT (AA: 23-322) expressed in E. Coli. |

## 产品应用 (Application)

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| 稀释比 (Dilution Ratio)     | ICC 1:50-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| 蛋白分子量 (Molecular Weight) | 110kDa                                             |

## 研究背景 (Background)

This gene encodes a receptor tyrosine kinase. This gene was initially identified as a homolog of the feline sarcoma viral

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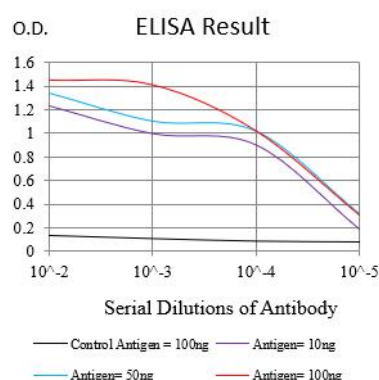


oncogene v-kit and is often referred to as proto-oncogene c-Kit. The canonical form of this glycosylated transmembrane protein has an N-terminal extracellular region with five immunoglobulin-like domains, a transmembrane region, and an intracellular tyrosine kinase domain at the C-terminus. Upon activation by its cytokine ligand, stem cell factor (SCF), this protein phosphorylates multiple intracellular proteins that play a role in the proliferation, differentiation, migration and apoptosis of many cell types and thereby plays an important role in hematopoiesis, stem cell maintenance, gametogenesis, melanogenesis, and in mast cell development, migration and function. This protein can be a membrane-bound or soluble protein. Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene.

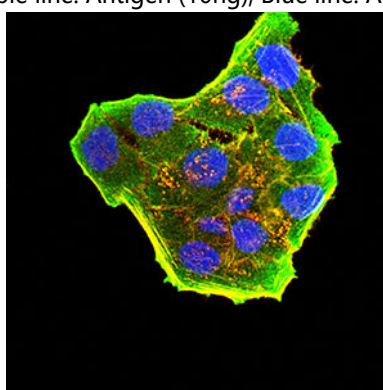
## 研究领域 (Research Area)

PI3K-Akt signaling pathway, Hippo signaling pathway

## 图片 (Image Data)

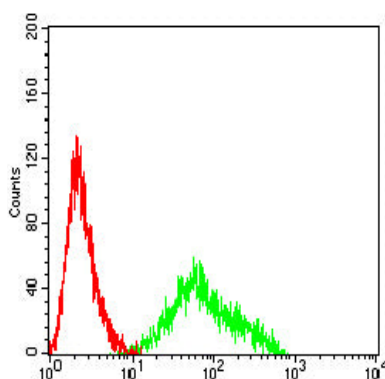


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Immunofluorescence analysis of Hela cells using KIT mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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Flow cytometric analysis of K562 cells using KIT mouse mAb (green) and negative control (red).

### 注意事项 (Note)

For research use only .