

## Product datasheet for **AM32824PU-S**

### **c Kit (KIT) Mouse Monoclonal Antibody [Clone ID: C117/370]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	C117/370
Applications:	IHC
Recommended Dilution:	<b>ELISA</b> (For coating, order Ab without BSA). <b>Immunohistochemistry on Paraffin Sections:</b> 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA buffer, pH 9.5, for 10-20 min followed by cooling at RT for 20 minutes. <b>Positive Control:</b> Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human CD117 / c-Kit protein.
Specificity:	Recognizes Human CD117 / c-kit. Other species not tested. This Monoclonal C117/370 antibody recognizes a protein of 145kDa, identified as CD117/p145 kit . It is found on a wide variety of tumor cells including follicular and papillary carcinoma of thyroid, adenocarcinomas from endometrium, lung, ovary, pancreas, and breast as well as malignant melanoma, endodermal sinus tumor, and small cell carcinoma. However, anti-CD117 has been particularly useful in differentiating gastrointestinal stromal tumors from Kaposi's sarcoma, tumors of smooth muscle origin, fibromatosis, and neural tumors of the GI tract. Anti-CD117 is also useful in recognizing myeloblasts in bone marrow biopsy and clot section. <b>Cellular Localization:</b> Cell Surface and Cytoplasm.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific



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**Purification:** Affinity Chromatography on Protein A/G

**Conjugation:** Unconjugated

**Storage:** Store undiluted at 2-8°C.

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** ~145 kDa

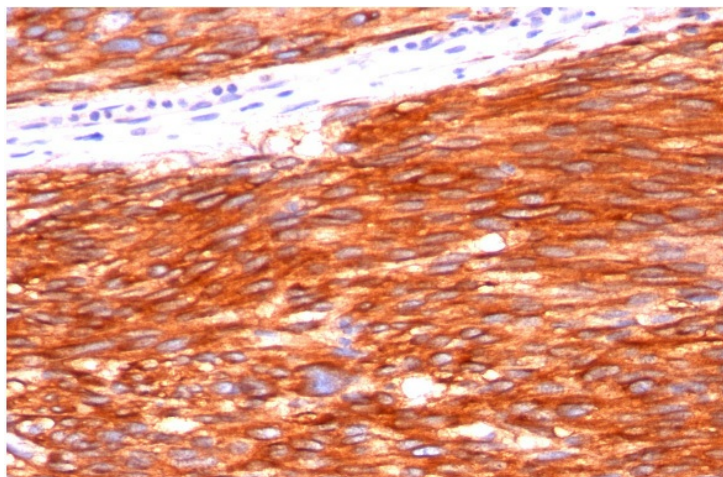
**Gene Name:** KIT proto-oncogene receptor tyrosine kinase

**Database Link:** [Entrez Gene 3815 Human P10721](#)

**Background:** CD117 is also known as c-Kit. Antibodies to CD117 / c-Kit may be useful for the identification of several cancers including mast cell diseases, acute myeloid leukemia (AML), small cell lung carcinoma (SCLC), and Ewing's sarcoma, and in the differentiation between gastrointestinal stromal tumors (GISTs) and other intra-abdominal mesenchymal tumors

**Synonyms:** SCFR, KIT

### Product images:



Formalin-Fixed, Paraffin-Embedded Human gastro intestinal stromal tumor (GIST) stained with CD117 / C-Kit Antibody (Clone C117/370).