# Anti-CD117/c-Kit Antibody (C117/370)

**CATALOG NO:** A1471-100

**ALTERNATIVE NAMES:** p145; Steel Factor Receptor; Stem Cell Factor Receptor (SCF-Receptor); Mast Cell Growth Factor Receptor

**AMOUNT:** 100 µg

**IMMUNOGEN:** Recombinant human CD117 protein

**HOST/ISOTYPE:** Mouse IgG1, kappa

**CLONALITY:** Monoclonal

**CLONE:** C117/370

**MOL WEIGHT:** ~145 kDa

**SPECIES REACTIVITY:** Human

**PURIFICATION:** Protein A/G purified

**FORM:** Liquid

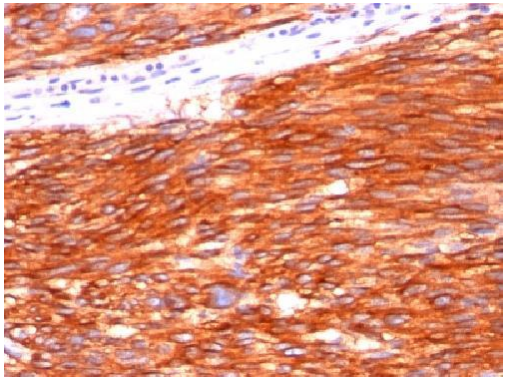
**FORMULATION:** Supplied in 10 mM PBS with 0.05% BSA & 0.05% azide

**STORAGE CONDITIONS:** Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

**DESCRIPTION:** This mAb recognizes a protein of 145kDa, identified as CD117/p145kit. 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 Kaposis 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.

**APPLICATION:** FC: 0.5-1 ug/1X$10^6$ cells
IF: 0.5-1 ug/ml
IHC: 0.5-1 ug/ml for 30 minutes at RT
(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)

**Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.**



**Formalin-fixed, paraffin-embedded human Gastrointestinal Stromal Tumor (GIST) stained with CD117 Monoclonal Antibody (C117/370)**

**RELATED PRODUCTS:**

- C-Kit/CD117 Antibody (NT) **(Cat. No. 6777)**
- SCFR/c-Kit (Human) ELISA Kit **(Cat. No. K4183)**

***FOR RESEARCH USE ONLY! Not to be used on humans.***