

# CD117 (ZR424)

## Rabbit Monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** Recombinant fragment (around aa 50-250) of human KIT protein  
**Ig Class:** IgG  
**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

**Specifications:** CD117 (ZR424) Rabbit Monoclonal primary antibody detects CD117 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain CD117 protein.

**Localization:** Cell membrane.

**Intended Use:** Research Use Only (RUO). This antibody is not for diagnostic use.

**Description:** This mAb recognizes a protein of 145 kDa, identified as CD117/p145kit. It is found expressed by a wide variety of tumor cells including follicular and papillary carcinoma of the thyroid, adenocarcinomas from endometrium, lung, ovary, pancreas, and breast as well as malignant melanoma, endodermal sinus tumor, and small cell carcinoma. However, anti-CD117 engages with tissues of differentiating gastrointestinal stromal tumors from Kaposi's sarcoma, tumors of smooth muscle origin, fibromatosis, and neural tumors of the GI tract. Anti-CD117 also binds to bone marrow derived myeloblasts and clot section.

**Supplied As:** Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

### References:

1. van Oosterom AT, et al. Lancet 2001; 358: 1421-3
2. Hornick JL, et al. Am J Clin Pathol 2002; 117:188-93
3. Smithey BE, et al. Am J Surg Pathol 2002; 26:486-92

**REF** Z2780RL/ Z2780RS/ Z2780RT/ Z2780RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



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(research  
use only)



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number)



(expiry date)



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Instructions  
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