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## CD117 (Clone ZM196) Mouse Monoclonal Antibody

**Specificity:** Human. Others not tested

**Immunogen:** Recombinant human CD117 protein

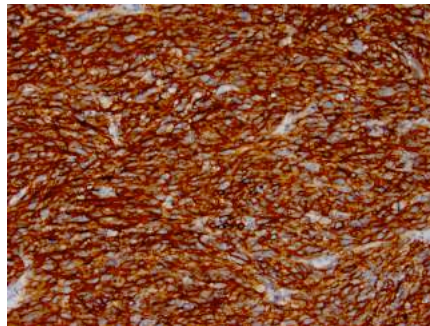
**Ig Class:** IgG1/ $\kappa$

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200. *Positive Control:* Gastrointestinal stromal tumor (GIST), skin or tonsil. *Cellular Localization:* Cell membrane. *Intended Use:* In vitro diagnosis (IVD).

**Discription:** This MAb recognizes a protein of 145kDa, identified as CD117/p145<sup>kit</sup>. 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.

**Supplied As:** Purified antibody tissue culture supernatant with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human GIST stained with anti-CD117 antibody using peroxidase-conjugate and DAB chromogen. Note cell membrane staining of tumor cells

Cat. #Z2514 (1.0 ml)

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**ZETA** Corporation  
65 N 1<sup>st</sup> Ave, Ste 202C  
Arcadia, CA 91006, USA  
Tel: (626) 355-2053  
<http://www.zeta-corp.com>



Zeta Corporation



**Emergo Europe B.V.**  
Prinsessegracht 20  
2514 AP The Hague  
The Netherlands  
+31 70 345 8570