

CD 117, c-kit clone YR145

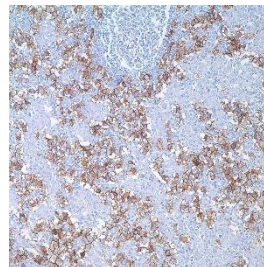
Instructions for Use

Specification:

CD117, c-kit is a tyrosine kinase receptor found on interstitial cells of Cajal, germ cells, bone marrow stem cells, melanocytes, breast epithelium and mast cells. This receptor is found on a wide variety of tumor cells (follicular and papillary carcinoma of thyroid, adenocarcinomas from endometrium, lung, ovary, pancreas, breast, malignant melanoma, endodermal sinus tumor, and small cell carcinoma) but has been particularly useful in differentiating gastrointestinal stromal tumors from Kaposi's sarcoma, and tumors of smooth muscle origin.

Availability:

Catalog No.	Contents	Volume
ILM7683-C01	CD 117	0,1 ml concentrate
ILM7683-C05	CD 117	0,5 ml concentrate
ILM7683-C1	CD 117	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human and Dog. Others not tested.

Clone: YR145

Species of origin: Rabbit

Isotype: IgG

Control Tissue: Breast tissue, GIST, Skin, Testes

Staining: Cytoplasmic and Membranous

Immunogen: A synthetic peptide from C-terminus of human CD117 / c-kit protein

Presentation: Purified antibody from tissue culture supernatant with 0.2% BSA and 15mM sodium azide

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:100-1:200)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-rabbit secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

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- 3) Miettinen M. et al. Am J Surg Pathol 23(9): 1109-1118
- 4) Arber DA, Tamayo R, Weiss LM. Hum Pathol 1998 May; 29(5):498-504
- 5) de Silva CM, Reid R. Pathol Oncol Res. 2003;9(1):13-9. Epub 2003 Apr 18
- 6) Naeem M et al. Hum Pathol. 2002 Dec;33(12):1182-7
- 7) Chen J et al. Arch Pathol Lab Med. 2001 Nov;125(11):1448-52

- 8) Graadt van Roggen JF et al. J Clin Pathol. 2001 Feb;54(2):96-102
9) Elmore LW et al. Arch Pathol Lab Med. 2001 Jan;125(1):146-51