

CD117 (YR145)

Rabbit Monoclonal Antibody

Specificity: Humans

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

Ig Class: IgG

Storage: Store at 2-8°C for up to 2 years for concentrate form and 1 year for predilute form

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:* 1:50-250. *Positive Control:* Gastrointestinal stromal tumor (GIST), skin or tonsil. *Cellular Localization:* Cell membrane. *Intended Use:* Analyte Specific Reagent (ASR).

Description: Recognizes a protein of 145kDa, which is identified as CD117/p145kit. This rabbit polyclonal antibody does not interfere with the binding of SCF to c-kit. It precipitates both the unoccupied as well as the occupied form of c-kit. The binding of the stem cell factor (SCF) to the c-kit-encoded receptor tyrosine kinase (Type III) stimulates a variety of biochemical responses that culminate in cellular proliferation, migration, or survival. C-kit plays an important role in hematopoiesis, melanogenesis, and gametogenesis.

Intended Use: This antibody is intended for Analyte Specific Reagent (ASR). CD117 (YR145) rabbit monoclonal primary antibody is intended for laboratory use in the detection of CD117 in formalin-fixed, paraffin-embedded tissue by immunohistochemical (IHC) staining. The staining results should be interpreted by qualified pathologists in conjunction with the patient's relevant clinical history.

Supplied As: Purified antibody in Tris-HCl buffer containing stabilizing protein and <0.1% sodium azide.

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 Z2030RL-A/ Z2030RS-A/ Z2030RT-A/ Z2030RP-A (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)