

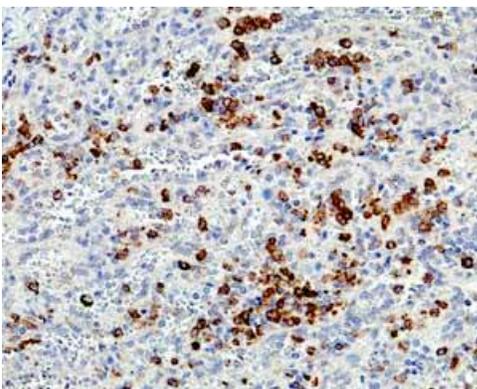
CD13 (Clone EP117) Rabbit Monoclonal Antibody

Specificity:	Human. Others-not tested
Immunogen:	Synthetic peptide within Human CD13 aa 400-500
Ig Class:	Rabbit IgG
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:* 1:50; *Positive Control:* Myeloid leukemia. *Cellular Localization:* Cytoplasmic. *Intended Use:* In vitro diagnosis (IVD).

Description: CD13 is a transmembrane protease present in many tissues and cell types (e.g., endothelial and epithelial cells, fibroblasts, and leukocytes). CD13 is overexpressed in various solid and hematological malignancies in humans, including acute myeloid leukemia (AML). Acute promyelocytic leukemia, hypogranular variant, poses difficulties in morphologic interpretation for separation from other subtypes of AML. CD13 is overexpressed in the tumor and is useful in diagnosing this variant by using a panel including antibodies against CD13(+), CD34(+), CD117(+), CD16(-), and CD33(+). CD13 is overexpressed in myeloid sarcoma and anti-CD13 is very useful in diagnosing myeloid sarcoma. It has been reported that CD13 is expressed in both normal and neoplastic liver tissue, where it exhibits a canalicular distribution pattern similar to that seen for polyclonal CEA and CD10. Thus, anti-CD13 can be useful as an additional marker in differentiating between hepatocellular carcinoma and non-hepatocellular neoplasms.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



References:

1. Piedfer M, et al. *FASEB J.* 2011; 25:2831-42.
2. Pileri SA, et al. *Leukemia.* 2007; 21:340-50.
3. Rocken C, et al. *J ClinPathol.* 2005; 58:1069-75.

Formalin-fixed, paraffin-embedded human spleen stained with anti-CD13 antibody using peroxidase-conjugate and DAB chromogen. Note cytoplasmic staining of myeloid cells

Cat. #Z2524 (1.0 ml)

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