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## FLI-1 (G146-22)

### Mouse Monoclonal Antibody

**Specificity:** Human. Others not known

**Immunogen:** Fli-1 ets domain fusion protein

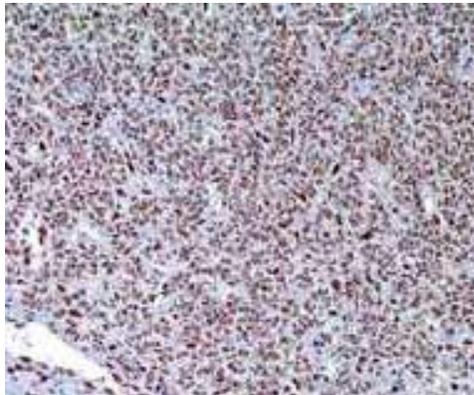
**Ig Class:** IgG1

**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:* 1:25-50; *Positive Control:* Ewings Sarcoma/PNET, lymphoblastic lymphoma, lymphocytes, endothelial cells, angiosarcoma, Kaposi's sarcoma. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

**Description:** The FLI-1 gene and FLI-1 protein are best known for their critical role in the pathogenesis of ES/PNET. More than 85% of ES/PNET are characterized by the translocation t(11;22)(q24;q12) that results in the fusion of the *ews* gene on chromosome 22 to the FLI-1 gene on chromosome 11. FLI-1 is a member of the ETS (erythroblastosis virus-associated transforming sequences) family of DNA-binding transcription factors and is involved in cellular proliferation and tumorigenesis. FLI-1 is normally expressed in endothelial cells and in hematopoietic cells, including T lymphocytes. The immunohistochemical detection of FLI-1 protein has been shown in two recent studies to be valuable in the discrimination of ES/PNET from most of its potential mimics, with the notable exception of lymphoblastic lymphoma. The FLI-1 gene has also recently been shown to play an important role in the embryologic development of blood vessels. FLI-1 is a highly sensitive (92%) and specific (100%) marker of both benign and malignant vascular tumors. FLI-1 expression in the nonvascular sarcomas, melanomas, or carcinomas studied was not observed.

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



*Formalin-fixed, paraffin-embedded bone marrow with metastatic Ewing's sarcoma/PNET stained with anti-FLI-1 antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of tumor cells*

**Cat. #Z2146 (1.0 ml)**