

**Mouse Anti-FLI-1 [G146-22]: MC0537, MC0537RTU7**

**Intended Use:** For Research Use Only

**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 *ewr* 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.

**Specifications:**

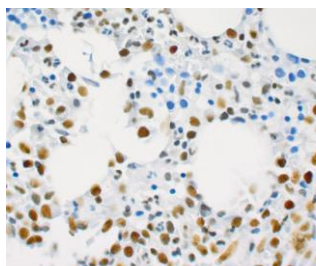
Clone: G146-22  
 Source: Mouse  
 Isotype: IgG1  
 Reactivity: Human  
 Localization: Nucleus  
 Formulation: Purified antibody in PBS pH7.4, containing 0.2% BSA and ≤ 0.09% sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, ELISA, WB  
 Package:

| Description        | Catalog No. | Size |
|--------------------|-------------|------|
| FLI-1 Concentrated | MC0537      | 1 ml |
| FLI-1 Prediluted   | MC0537RTU7  | 7 ml |

**IHC Procedure\*:**

Positive Control Tissue: Ewings Sarcoma/PNET, lymphoblastic lymphoma, lymphocytes  
 Concentrated Dilution: 10-50  
 Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



Human metastatic Ewing's sarcoma/PNET FFPE tissue stained with anti-FLI-1 using DAB

**References:**

1. The many faces of atypical Ewing's sarcoma. A true entity mimicking sarcomas, carcinomas and lymphomas. Machado I, et al. Virchows Arch. Mar;458(3):281-90, 2011.
2. Diagnostic utility of FLI-1 monoclonal antibody and dual-colour, break-apart probe fluorescence in situ (FISH) analysis in Ewing's sarcoma/primitive neuroectodermal tumour (EWS/PNET). A comparative study with CD99 and FLI-1 polyclonal antibodies. Mhaweck-Fauceglia P, et al. Histopathology. Dec;49(6):569-75, 2006.
3. Immunohistochemistry and genotype analysis of tumors. First part: Which future for the immunochemical diagnosis of cancer?. Svrcek M, et al. Ann Pathol. Apr;22(2):102-12, 2002.

Doc. 100-MC0537

Rev. A