

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:

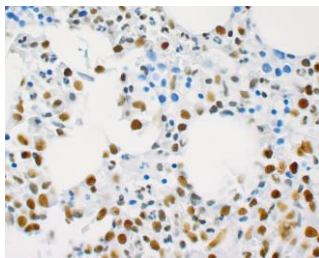
Clone: G146-22
 Source: Mouse
 Isotype: IgG1
 Reactivity: Human
 Localization: Nucleus
 Formulation: Purified antibody in PBS pH7.4, containing 0.2% BSA and <= 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, WB
 Package:

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.