

Mouse Anti-Fascin [FSN/417]: MC0787, MC0787RTU7

Intended Use: For Research Use Only

Description: Fascin, an actin-binding protein, induces parallel actin bundles in cell protrusions and cell motility after the formation of lamellipodia or filopodia. The Fascin antibody labels dendritic cells in normal and tumor tissues. It is a sensitive marker for Reed-Sternberg cells in Hodgkin's lymphoma (HL). Thus, Fascin is useful for the identification of Hodgkin's lymphoma as well as dendritic tumor. Given its primary function in inducing membrane protrusions and increasing cell motility, in addition to serving as a marker for the identification of HL and dendritic tumor, overexpression of fasci has been shown to be correlated with disease progression in several types of human tumors including cancers of the lung, ovarian, breast, pancreas, esophagus, stomach, colon, and skin. An IHC study of 58 primary breast carcinomas suggested that estrogen (ER) and progesterone (PR) receptor levels were inversely correlated with the expression of fascin.

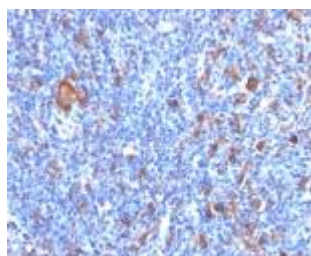
Specifications:

Clone: FSN/417
Source: Mouse
Isotype: IgG2a/k
Reactivity: Human
Immunogen: Full length recombinant human FSCN1 protein
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., ICC/IF, WB
Package:

Description	Catalog No.	Size
Fascin Concentrated	MC0787	1 ml
Fascin Prediluted	MC0787RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, Hodgkin's lymphoma
Concentrated Dilution: 50-200
Pretreatment: Tris EDTA pH9.0, 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.



FFPE human Hodgkin's Lymphoma stained with Fascin-1 using DAB

References:

1. The BDNF Val66Met Prodomain Disassembles Dendritic Spines Altering Fear Extinction Circuitry and Behavior. Giza JI, et al. Neuron 99:163-17, 2018.
2. Fscn1 is required for the trafficking of TGF- β family type I receptors during endoderm formation. Liu Z, et al. Nat Commun 7:12603, 2016.
3. The Tax-Inducible Actin-Bundling Protein Fascin Is Crucial for Release and Cell-to-Cell Transmission of Human T-Cell Leukemia Virus Type 1 (HTLV-1). Gross C, et al. PLoS Pathog 12:e1005916, 2016.

Doc. 100-MC0787
Rev. A