Fascin-1 (Reed-Sternberg Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone FSCN1/418]

Catalog No	Format	Size
6624-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6624-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6624-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

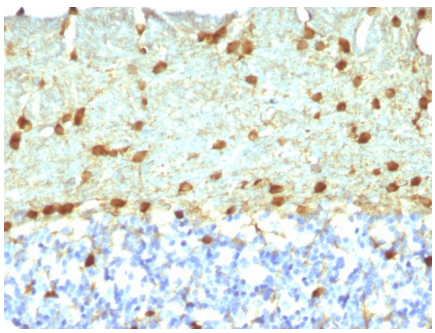
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

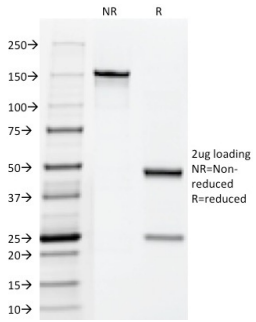
Clone	FSCN1/418
Gene Name	FSCN1
Immunogen	Full length recombinant human FSCN1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	55kDa
Cellular Localization	Cell cortex, Cell junction, Cell projection, Cytoplasm, Cytoskeleton, Cytosol, Filopodium, Invadopodium, Microvillus, Stress fiber
Species Reactivity	Human, Rat
Positive Control	HeLa, K562, MCF-7, Ovarian or Testicular Carcinoma., PC-3 or BEWO cells. Hodgkin's lymphoma

**Optimal dilution for a specific application should be determined.*

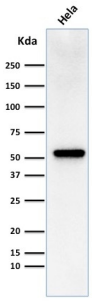
Product Images for Fascin-1 (Reed-Sternberg Cell Marker) Antibody



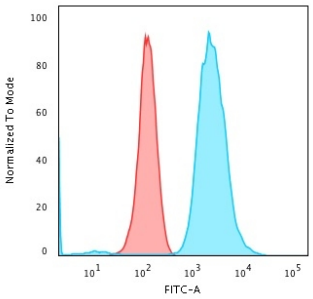
Formalin-fixed, paraffin-embedded Rat Brain stained with Fascin-1 Mouse Monoclonal Antibody (FSCN1/418).



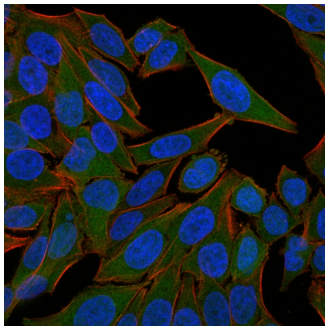
SDS-PAGE Analysis Purified Fascin-1 Mouse Monoclonal Antibody (FSCN1/418). Confirmation of Integrity and Purity of Antibody.



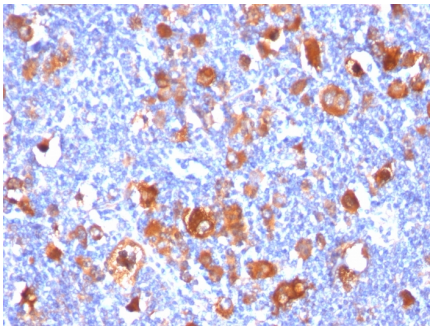
Western Blot Analysis of HeLa cell lysate using Fascin-1 Mouse Monoclonal Antibody (FSCN1/418)



Flow Cytometric Analysis of PFA-fixed K562 cells using Fascin-1 Mouse Monoclonal Antibody (FSCN1/418) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)



Immunofluorescence Analysis of HeLa cells labeling Fascin with Fascin-1 Mouse Monoclonal Antibody (FSCN1/418) -CF640 (Green). The nuclear counterstain is Hoescht (Blue). Membrane is Phalloidin 488 (Red).



Formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma stained with Fascin-1 Mouse Monoclonal Antibody (FSCN1/418).

Specificity & Comments

Recognizes a protein of 55kDa, which is identified as fascin-1. Its actin binding ability is regulated by phosphorylation. Antibody to fascin-1 is a very sensitive marker for Reed-Sternberg cells and variants in nodular sclerosis, mixed cellularity, and lymphocyte depletion Hodgkin's disease. It is uniformly negative in lymphoid cells, plasma cells, and myeloid cells. Fascin-1 is also expressed in dendritic cells. This marker may be helpful to distinguish between Hodgkin lymphoma and non-Hodgkin lymphoma in difficult cases. Also, the lack of expression of fascin-1 in the neoplastic follicles in follicular lymphoma may be helpful in distinguishing these lymphomas from reactive follicular hyperplasia in which the number of follicular dendritic cells is normal or increased. Antibody to fascin-1 has been suggested as a prognostic marker in neuroendocrine neoplasms of the lung as well as in ovarian cancer. Fascin-1 expression may be induced by Epstein-Barr virus (EBV) infection of B cells with the possibility that viral induction of fascin in lymphoid or other cell types must also be considered in EBV-positive cases.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cytokine Signaling, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.