

Musashi-2 Monoclonal Antibody (C1), eFluor™ 660, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG3, kappa
Class	Monoclonal
Type	Antibody
Clone	C1
Conjugate	eFluor™ 660
Excitation/Emission Max	651/668 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574345

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	-

Product Specific Information

Description: The monoclonal antibody C1 recognizes human and mouse Musashi-2 (Msi2), a highly conserved RNA-binding protein. Musashi-2 contains two RNA-recognition domains and is expressed as one of two isoforms of 36 and 37kDa. Musashi 2 with its family member Musashi-1, are expressed at high levels in stem and tumor cells. During neural development, Musashi-2 is expressed in progenitor cells in the ventricular and subventricular zones, while postnatally, Musashi-2 expression is limited to multiple subsets of neurons and astrocytes in addition to adult stem cell populations. Functionally, Musashi-2 associates with Sox2 and is required for self-renewal of embryonic stem cells. Much like its role in maintaining stemness in neural progenitors, Musashi-2 is expressed in hematopoietic stem cells and plays a similar role in maintaining self-renewal. Musashi-2 has been found to be overexpressed in human myeloid leukemia and the levels of expression correlate with decreased survival. Musashi-2 may serve as a prognostic marker for acute myeloid leukemia (AML).

Applications Reported: This C1 antibody has been reported for use in immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, microscopy, and immunocytochemistry.

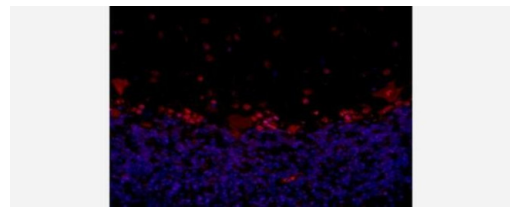
Applications Tested: This C1 antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded tissue using high pH antigen retrieval and can be used at less than or equal to 5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 668 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Musashi-2 Monoclonal Antibody (C1), eFluor™ 660, eBioscience™



Musashi-2 Antibody (50-9677-82) in IHC (P)
Immunohistochemistry of formalin-fixed paraffin embedded human cerebellar tissue stained with 5 µg/mL of Anti-Human/Mouse Musashi-2 eFluor® 660. Nuclei are stained with DAPI.

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