

SOX11 Monoclonal Antibody (SOX11-C1), eFluor 660, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	SOX11-C1
Conjugate	eFluor® 660
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574372

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	10 µg/mL	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	1 Publication
Flow Cytometry (Flow)	Assay-Dependent	-

Product Specific Information

Description: The monoclonal antibody SOX11-C1 (C1) recognizes human Sox11. The transcription factor Sox11 is a member of the SOX (sex determining region Y-related HMG (High Mobility Group) Box) family of proteins. Under normal conditions Sox11 is expressed in the developing central nervous system during embryogenesis and has sequence homology to Sox4. Sox11 plays a role in neuronal maturation and epithelial-mesenchymal interactions and is required for the survival of neuronal and mesenchymal progenitor cells. Sox11 is expressed in mantle cell lymphoma (MCL) and in subsets of hairy cell leukemias, Burkitt lymphomas, and B cell lymphoblastic leukemias, but is not expressed in other B cell lymphomas or in normal B lymphocytes. Sox11 is also expressed in epithelial ovarian cancer and gliomas.

Applications Reported: This SOX11-C1 antibody has been reported for use in immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, immunocytochemistry and flow cytometric analysis.

Applications Tested: This SOX11-C1 antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded human tissue using low or high pH antigen retrieval and can be used at less than or equal to 10 µg/mL. It is recommended that the

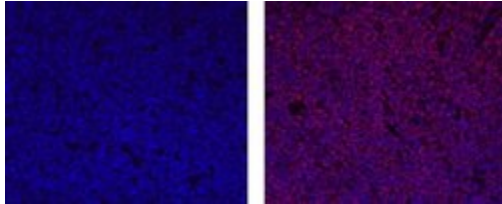
antibody be carefully titrated for optimal performance in the assay of interest.

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 SOX11 Monoclonal Antibody (SOX11-C1), eFluor 660, eBioscience™



SOX11 Antibody (50-9773-82) in IHC (P)

Immunohistochemistry of formalin-fixed paraffin embedded human Mantle Cell lymphoma using 10 µg/mL of Mouse IgG1 K Isotype Control eFluor® 660 (left) or 10 µg/mL of Anti-Human Sox11 eFluor® 660 (right). Nuclei are stained with DAPI (colocalization appears pink).

[View more figures on thermofisher.com](#)

2 References

Western Blot (1)

eLife

SOX11 promotes epithelial/mesenchymal hybrid state and alters tropism of invasive breast cancer cells.

"50-9773 was used in Immunocytochemistry-immunofluorescence to find that that SOX11+DCIS tumour cells metastasize to brain and bone at greater frequency and to lungs at lower frequency compared to cells with lower SOX11 levels."

Authors: Oliemuller E, Newman R, Tsang SM, Foo S, Muirhead G, Noor F, Haider S, Aurrekoetxea-Rodríguez I, Vivanco MD, Howard BA

Species

Human
Not Applicable

Dilution

1:200
Not Cited

Year

2020

Immunocytochemistry (1)

eLife

SOX11 promotes epithelial/mesenchymal hybrid state and alters tropism of invasive breast cancer cells.

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Species

Human
Not Applicable

Dilution

1:200
Not Cited

Year

2020

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