

RUNX3 Monoclonal Antibody (R3-5G4), 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	R3-5G4
Conjugate	eFluor™ 660
Form	Liquid
Concentration	0.2 mg/mL
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574384

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	10 µg/mL	0 Publication
Immunocytochemistry (ICC/IF)	10 µg/mL	-

Product Specific Information

Description: This R3-5G4 monoclonal antibody recognizes human Runx3, a 44 kDa transcription factor that belongs to the Runt domain-containing family. Runx3 is expressed in hematopoietic cells such as T cells, B cells, and myeloid cells. This transcription factor is also expressed in non-hematopoietic tissues, including the epidermis, bone, and dorsal root ganglia. Runx3 has been established to play a critical role in thymocyte development. More specifically, Runx3 promotes CD8 + T cell development by silencing Cd4 expression. Finally, studies have demonstrated the tumor suppressive activity of in a variety of cancers (e.g., gastric and breast cancers).

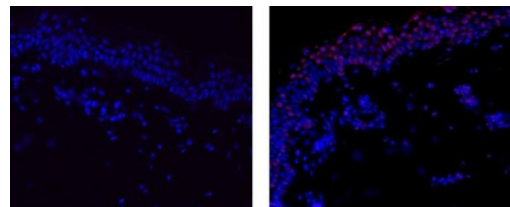
Applications Reported: This R3-5G4 antibody has been reported for use in immunohistochemical staining.

Applications Tested: This R3-5G4 antibody has been tested by immunohistochemistry on FFPE human tissue using high pH antigen retrieval.

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. The antibody 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.

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

Filtration: 0.2 µm post-manufacturing filtered.



RUNX3 Antibody (50-9817-82) in IHC (P)
Immunohistochemistry of formalin-fixed paraffin embedded human skin, using 10 µg/mL of Mouse IgG1 Isotype Control eFluor® 660 (left) or 10 µg/mL of Anti-Human Runx3 eFluor® 660 (right). Nuclei are stained with DAPI.

1 Reference

Immunohistochemistry (1)

eLife	
Highly multiplexed immunofluorescence imaging of human tissues and tumors using t-CyCIF and conventional optical microscopes.	
"50-9817 was used in Immunohistochemistry-immunofluorescence to develop a tissue-based cyclic immunofluorescence method for highly multiplexed immuno-fluorescence imaging of formalin-fixed, paraffin-embedded specimens mounted on glass slides."	
Authors: Lin JR,Izar B,Wang S,Yapp C,Mei S,Shah PM,Santagata S,Sorger PK	
	<div>Year 2018</div> <div>Species Human</div>

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