

Dot1L Recombinant Mouse Monoclonal Antibody

Catalog Number730085

Product data sheet

Details		Species Reactivity	
Size	100 µg	Published species	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Recombinant Monoclonal	Immunoprecipitation (IP)	Dilution * 2 µg
Type	Antibody	Published Applications	
Immunogen	1-420 of 1537 of DOT1L Protein.	Immunoprecipitation (IP)	See 1 publications below
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C		

Product specific information

Recombinant antibodies are produced using specific genes that code for the desired antibodies. These genes are cloned into an expression vector and expressed in vitro. The advantages of recombinant antibodies include: better specificity, animal origin-free formulation, and more lot-to-lot consistency.

Background/Target Information

Histone methyltransferase. Methylates 'Lys-79' of histone H3. Nucleosomes are preferred as substrate compared to free histones. Binds to DNA.

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PubMed References For Dot1L Recombinant Mouse Monoclonal Antibody

1 Immunoprecipitation References

Species / Dilution	Summary
Human / 2 µg	730085 was used in immunoprecipitation to describe a mass spectrometry-based method for scoring immunoprecipitation antibody quality
	Nature methods (2015; 12: 725)
	"Assessment of a method to characterize antibody selectivity and specificity for use in immunoprecipitation." Author(s):Marcon E,Jain H,Bhattacharya A,Guo H,Phanse S,Pu S,Byram G,Collins BC,Dowdell E,Fenner M,Guo X,Hutchinson A,Kennedy JJ,Krastins B,Larsen B,Lin ZY,Lopez MF,Loppnau P,Miersch S,Nguyen T,Olsen JB,Paduch M,Ravichandran M,Seitova A,Vadali G,Vogelsang MS,Whiteaker JR,Zhong G,Zhong N,Zhao L,Aebersold R,Arrowsmith CH,Emili A,Frappier L,Gingras AC,Gstaiger M,Paulovich AG,Koide S,Kossiakoff AA,Sidhu SS,Wodak SJ,Gräslund S,Greenblatt JF,Edwards AM PubMed Article URL: http://dx.doi.org/10.1038/nmeth.3472

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