

GATA3 Monoclonal Antibody (1A10D1)

Catalog NumberMA5-15387

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Human, Not Applicable
Class	Monoclonal	Tested Applications	
Type	Antibody	ELISA (ELISA)	1:10,000
Clone	1A10D1	Western Blot (WB)	1:500-1:2,000
Immunogen	Purified recombinant fragment of GATA3 (aa175-388) expressed in E. Coli.	* 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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Conc. Not Determined		
Storage buffer	ascites		
Contains	0.03% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

MA5-15387 targets GATA3 in indirect ELISA, WB applications and shows reactivity with Human samples. The MA5-15387 immunogen is purified recombinant fragment of GATA3 (aa175-388) expressed in E. Coli.

Background/Target Information

The genes for all 4 subunits of the T-cell antigen receptor (alpha, beta, gamma and delta) are controlled by distinct enhancers and their enhancer-binding proteins. Marine and Winoto (1991) identified a common TCR regulatory element by demonstrating binding of the enhancer-binding protein GATA3 to the enhancer elements of all 4 TCR genes. GATA3 had been shown in the chicken to be an enhancer-binding protein containing a zinc finger domain. GATA3 mRNA was demonstrated by Northern blot analysis in T cells but not in B cells or macrophages. GATA3 is abundantly expressed in the T-lymphocyte lineage and is thought to participate in T-cell receptor gene activation through binding to enhancers. Labastie et al. (1994) cloned the human gene and the 5-prime end of the mouse gene. The human gene comprises 6 exons distributed over 17 kb of DNA. Its 2 zinc fingers are encoded by 2 separate exons highly conserved with those of GATA1, but no other structural homologies between the 2 genes could be found.

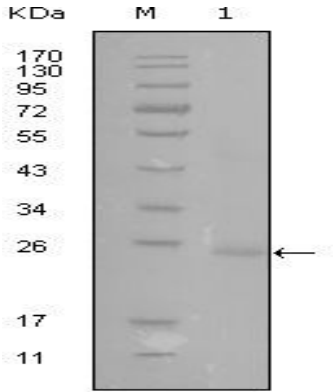
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Product Images For GATA3 Monoclonal Antibody (1A10D1)



GATA3 Antibody (MA5-15387) in WB
Western blot analysis of GATA3 using a GATA3 monoclonal antibody (Product # MA5-15387) against a truncated GATA3-His recombinant protein (1).

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