

Thrombopoietin Monoclonal Antibody (1B11)

Catalog Number MA5-17188

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG2a	Tested Applications	
Class	Monoclonal	ELISA (ELISA)	1:10,000
Type	Antibody	Flow Cytometry (Flow)	1:200-1:400
Clone	1B11	Western Blot (WB)	1:500-1:2,000
Immunogen	Purified recombinant fragment of human THPO 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	1 mg/mL		
Purification	Protein G		
Storage buffer	PBS		
Contains	0.05% 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

MA5-17188 targets THPO in FACS, indirect ELISA, and WB applications and shows reactivity with Human samples. The MA5-17188 immunogen is purified recombinant fragment of human THPO expressed in E. Coli. MA5-17188 detects THPO which has a predicted molecular weight of approximately 37.8kDa.

Background/Target Information

Thrombopoietin (TPO, THPO, MPL ligand, megakaryocyte colony-stimulating factor) is responsible for the generation of platelets through its action on hematopoietic cells committed to the megakaryocyte lineage. Binding of thrombopoietin to its receptor, MPL (CD110), initiates a signaling cascade via JAK/STAT, MAPK, and PI3K/AKT signaling pathways that leads to the proliferation and differentiation of megakaryocytes and, ultimately, to the production of platelets (thrombopoiesis). Thrombopoietin is constitutively produced by the liver and has a predicted molecular weight of 38 kDa.

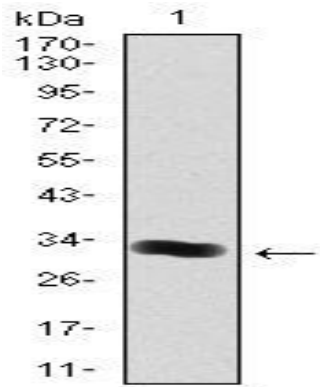
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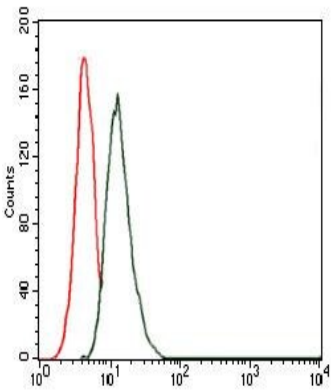
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Product Images For Thrombopoietin Monoclonal Antibody (1B11)



Thrombopoietin Antibody (MA5-17188) in WB

Western blot analysis of THPO using a THPO monoclonal antibody (Product # MA5-17188) against a human THPO (AA: 250-303) recombinant protein.



Thrombopoietin Antibody (MA5-17188) in Flow

Flow cytometric analysis of MCF-7 cells using THPO monoclonal antibody (Product # MA5-17188) (green) and negative control (red).

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