

PAX5 Monoclonal Antibody (52588)

Catalog NumberMA5-14750

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG2b	Tested Applications	
Class	Monoclonal	Flow Cytometry (Flow)	1 µg/10^6 cells
Type	Antibody	Western Blot (WB)	3 µg/mL
Clone	52588	* 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.	
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human PAX5.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein G		
Storage buffer	PBS, pH 7.4		
Contains	0.02% 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

For Western Blot, this antibody has non-specific bands at 50 kDa. This antibody is predicted to react with mouse based on sequence homology.

Background/Target Information

PAX5 is a member of the paired box (PAX) family of transcription factors. The PAX proteins are important regulators in early development and alterations in the expression of their genes are thought to contribute to neoplastic transformation. PAX5 is the B-cell lineage specific activator protein (BSAP) that is expressed at early, but not late stages, of B-cell differentiation. Its expression has also been detected in developing CNS and testis, therefore, PAX5 may not only play an important role in B-cell differentiation, but also in neural development and spermatogenesis. Mutations in the gene can result in leukemia, acute lymphoblastic 3.

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