

Filensin Monoclonal Antibody (FIL-7B10)

Catalog Number      MA1-25031

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Bovine, Human, Sheep
Host/Isotope	Mouse / IgG1	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody		
Clone	FIL-7B10	Immunohistochemistry (Frozen) (IHC (F))	1:400
Immunogen	Human and bovine lens filament enriched fraction (plasma membrane cytoskeleton complex).	Western Blot (WB)	Assay-dependent
		* 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	15mM 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**

Recommended positive controls: bovine lens. MA1-25031 will not react with mouse, rat, or chicken. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

**Background/Target Information**

More than 99% of the vertebrate ocular lens is comprised of terminally differentiated lens fiber cells. Two lens-specific intermediate filament-like proteins, CP49 (also known as phakinin) and the protein product of this gene, filensin, are expressed only after fiber cell differentiation has begun. Both proteins are found in a structurally unique cytoskeletal element that is referred to as the beaded filament (BF). Mutations in this gene are the cause of autosomal recessive cortical juvenile-onset cataract. Multiple transcript variants encoding different isoforms have been found for this gene.

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