

32-5926: Mouse Anti Human Crystallin Alpha A (Clone:Pc9F2AT.)

Clonality :	Monoclonal
Clone Name :	Pc9F2AT.
Application :	WB
Gene :	CRYAA
Gene ID :	102724652
Uniprot ID :	P02489
Format :	Purified
Alternative Name :	CRYA1,HSPB4,CRYAA,Crystallin Alpha A,Alpha-crystallin A chain,Heat shock protein beta-4.
Isotype :	Mouse IgG1 heavy chains and ? light chain.
Immunogen Information :	Anti-human CRYAA mAb, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with recombinant human CRYAA amino acids 1-173 purified from E. coli.

Description

Alpha crystallins are composed of two gene products ; alpha-A and alpha-B, for acidic and basic, respectively. Alpha crystallins can be induced by heat shock and are members of the small heat shock protein (sHSP also known as the HSP20). They act as molecular chaperones and hold them in large soluble aggregates. These heterogeneous aggregates consist of 30-40 subunits; the alpha-A and alpha-B subunits have a 3:1 ratio, respectively. Two additional function of ?-crystallins are an autokinase activity and participation in the intracellular architecture. The expression of alpha-A is preferentially restricted to the lens cell.

Product Info

Amount :	20 µg
Purification :	CRYAA antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

CRYAA antibody has been tested by ELISA and by Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should titrate the reagent to obtain optimal results. Recommended dilution range for Western blot analysis: 1:500 ~ 1:2000. Recommended starting dilution: 1:1000.