

Mouse Anti-Chicken IgY (Clone 7C2) mAb

Catalog No.	MON5048	Quantity:	100 µg
Description:	The monoclonal antibody 7C2 can be used during various purification steps of IgY. The yolk of eggs laid by immunized chickens has been recognized as an excellent source of polyclonal antibodies (pAb). Specific antibodies produced in chickens offer several important advantages over producing antibodies in other mammals. Because a single egg contains as much antibody as an average bleed from a rabbit, this simple, noninvasive approach presents an appealing alternative to conventional pAb production methods. Purification of chicken egg yolk immunoglobulin Y (IgY) the 150 kDa IgG homolog, does not require animal bleeding. In addition, the eggs from immunized chickens provide a continual, daily source of pAb, and this convenient approach offers greater compatibility with animal protection regulations. Due to the phylogenetic divergence between birds and mammals, there is greater potential of producing a higher percentage of specific antibody against mammalian antigens when using chickens. Highly conserved mammalian proteins sometimes fail to illicit a humoral response in animals, such as rabbits, that are traditionally used for generating pAb		
Concentration:	0.1 mg/ml		
Specificity:	Chick IgY Non-specific binding and need for cross-species immunoabsorptions is eliminated since chicken IgY does not cross-react with mammalian IgG and does not bind bacterial or mammalian Fc receptors.		
Isotype:	Murine IgG1		
Clone:	7C2		
Formulation:	Sterile-filtered PBS, containing 0.02% sodium azide and 0.1% BSA.		
Cross-Reactivity:	Cross reacts with duck IgY		
Applications:	WB (non-reduced), ELISA, immunoaffinity purification		
Storage & Stability:	Store antibody at 2-8°C up to 1 year		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

