

Mouse anti-Chicken IgG (IgY) Heavy Chain Immunoglobulin, clone 08C (Monoclonal)

Clone no. 08C

MONOSAN

Product name	Mouse anti-Chicken IgG (IgY) Heavy Chain Immunoglobulin, clone 08C (Monoclonal)
Host	Mouse
Applications	ELISA, IB
Species reactivity	Chicken
Conjugate	-
Immunogen	Polytclonal IgY (Promega)
Isotype	IgG1
Clonality	Monoclonal
Clone number	08C
Size	100 ug
Concentration	n/a
Format	-
Storage buffer	lyophilized in a 10 mM ammonium
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Chicken IgY is specific to chickens and is the counterpart to IgG from mammals. Chickens transfer high quantities of IgY into the egg yolk and harvesting antibodies from eggs eliminates the need for the invasive bleeding procedure. One week's eggs can contain 10 times more antibodies than the volume of rabbit blood obtained from one weekly bleeding. Due to the phylogenetic distance between birds and mammals, there is greater potential of producing a higher percentage of specific antibody against mammalian antigens when using chickens [1]. Since chicken IgY does not cross-react with mammalian IgG [2] and does not bind bacterial or mammalian Fc receptors [3], non-specific binding is reduced, and the need for cross-species immunoabsorptions is also eliminated [4].

References

1. Jensenius et al. J. Immunol Meth 1981; 46:63
2. Ambrosius et al. Vet Immunol. Immunopathol;17:57
3. Larsson et al, J. Immunol Meth 1988; 108:205
4. Larsson et al. Comp. Immun.Microbiol Infe. Dis 1990; 13:199
5. -

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