

Mouse IgY Monoclonal Antibody | anti-IgY antibody

MOUSE ANTI DUCK IgY HEAVY CHAIN

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49384	Mouse	GooseDoes not react with ChickenN.B. Antibody reactivity and working conditions may vary between species.	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

IgY; Monoclonal Antibody; MOUSE ANTI DUCK IgY HEAVY CHAIN; anti-IgY antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Goose Does not react with Chicken N.B. Antibody reactivity and working conditions may vary between species.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	16C7
Specificity	IgY Heavy Chain
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 0.5mg/ml (varies by lot)
Applicable Applications for anti-IgY antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Purified Pekin duck yolk IgY.
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the SP2/0 mouse myeloma cell line.
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline
Target Species	Duck
Specificity Note	recognizes both the IgY and IgY(-Fc) Pekin duck heavy chain molecules. The duck IgY molecule, consisting of two heavy (H) and two light (L) chains, has been categorized as the 7.8S full-length IgY form and the 5.7S truncated IgY(-Fc) form. Studies have shown that the IgY(-Fc) molecule possesses the H chain Cu1 and Cu2 constant domains, but is lacking the Cu3 and Cu4 constant region terminal domains, all four of which are present in the full-length IgY molecule. Thus the structure of the IgY(-Fc) molecule resembles that of a F(ab') ₂ fragment of IgY. It also detects IgY heavy chain in Mallard ducks, goose and swan. detects bands of approximately 118kDa and 178-200kDa in Pekin duck cell lysates under non-reducing conditions in Western blotting.
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

ADDITIONAL INFORMATION

Related Product Information for anti-IgY antibody	MBS212832 recognises both the IgY and IgY(-Fc) Pekin duck heavy chain molecules. The duck IgY molecule, consisting of two heavy (H) and two light (L) chains, has been categorized as the 7.8S full-length IgY form and the 5.7S truncated IgY(-Fc) form. Studies have shown that the IgY(-Fc) molecule possesses the H chain Cu1 and Cu2 constant domains, but is lacking the Cu3 and Cu4 constant region terminal domains, all four of which are present in the full-length IgY molecule. Thus the structure of the IgY(-Fc) molecule resembles that of a F(ab')2 fragment of IgY. MBS212832 also detects IgY heavy chain in Mallard ducks, goose and swan. MBS212832 detects bands of approximately 118kDa and 178-200kDa in Pekin duck cell lysates under non-reducing conditions in Western blotting.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/igy-antibody-clone-16c7-western-blot-flow-cytometry-elisa/49384>