

Chicken IgY Immunoglobulin | IgY immunoglobulin

Chicken IgY

CATALOG #
AAA75281

HOST
Chicken

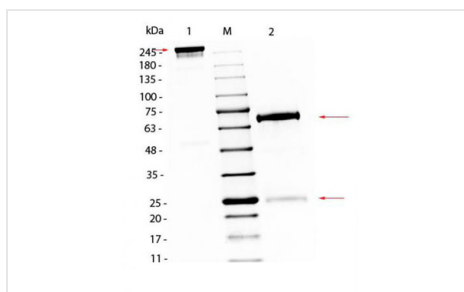
PRODUCT SYNONYMS

Chicken IgY; Chicken Immunoglobulin Y; Chicken IgG; IgY immunoglobulin

PRODUCT SPECIFICATIONS

Host	Chicken
Purity/Purification	Chicken IgG was purified by delipidation, salt fractionation and ion exchange chromatography followed by dialysis.
Form/Format	Supplied lyophilized from 20 mM potassium phosphate, 150mM Sodium Chloride, pH 7.2 with 0.01% Sodium Azide. Reconstitute with 1.0ml of deionized water.
Concentration	10 mg, lyophilized (varies by lot)
Source	Prepared from normal serum by a multi-step process.
Contaminants	A single precipitin arc was observed against anti-ChickenIgG, and anti-Chiscken Serum, when assayed by Immunoelectrophoresis.
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Biological Significance	Immunoglobulin Y (abbreviated as IgY) is a type of immunoglobulin which is the major antibody in bird, reptile, and lungfish blood. It is also found in high concentrations in chicken egg yolk. As with the other immunoglobulins, IgY is a class of proteins which are formed by the immune system in reaction to certain foreign substances, and specifically recognize them. IgY is often mislabelled as Immunoglobulin G (IgG) in older literature, and sometimes even in commercial product catalogues, due to its functional similarity to mammalian IgG and Immunoglobulin E (IgE). However, this older nomenclature is obsolete, since IgY differs both structurally and functionally from mammalian IgG, and does not cross-react with antibodies raised against mammalian IgG.
Preparation and Storage	Ships ambient or refrigerated. Upon receipt store at 4 degree C prior to reconstitution. For longer storage, aliquot and store at -20 degree C after reconstituted.

IMAGES



SDS-PAGE

Lane 1: Non-Reduced Chicken IgG Whole Molecule. Lane 2: 5 uL MW Marker. Lane 3: Reduced Chicken IgG Whole Molecule. Load: 1 ug per lane. Predicted/Observed size: Non-Reduced at 160kDa/Observed at 245 kDa; Reduced at 72, 25 kDa. Non-reduced IgG migrates slightly higher.

ADDITIONAL INFORMATION

Related Product Information for IgY immunoglobulin	Purified Chicken IgY (also known as Chicken IgG)
Product Categories/Family for IgY immunoglobulin	Immunology; Immunoglobulins; Purified Immunoglobulins

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/chicken-immunoglobulin/chicken-igy/75281>