

## Normal Chicken IgY

Cat.No: 50.0160

[www.dauids-bio.com](http://www.dauids-bio.com) (Custom Antibodies)

[www.dauids-science.de](http://www.dauids-science.de) (Lab Material)

### - 1 - Introduction

Normal Chicken IgY is a high-quality immunoglobulin Y (IgY) antibody preparation derived from the eggs of healthy chicken. IgY antibodies are the avian equivalent of mammalian IgG antibodies and serve as a critical component of the avian immune system. The Normal Chicken IgY product is purified from the yolks of chicken, ensuring a diverse repertoire of antibodies that can be utilized as negative controls or background controls in a wide range of immunological applications.

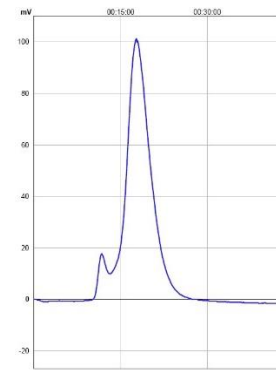
By utilizing Normal Chicken IgY as a negative control, researchers can enhance the specificity and reliability of their assays, leading to more accurate data analysis and robust conclusions. Whether used in Western blotting, immunohistochemistry (IHC), enzyme-linked immunosorbent assay (ELISA), immunofluorescence, or other assays, Normal Chicken IgY offers researchers a versatile and dependable negative control option.

#### Information

Cat.No.	50.0160.01 (100 mg) 50.0160.05 (500 mg) 50.0160.10 (1000 mg)
Concentration	60 mg/ml Depends on the batch
Host	Chicken
Antibody	IgY
Purification	Dauids Prepl Delipidation
Purity	> 90% (SEC)
Conjugation	-

Quality Control

Size-Exclusion-Chromatography



## - 2 - Manual

### Recommended Dilutions:

The appropriate dilution of Normal Chicken IgY may vary depending on the specific application and experimental conditions. It is recommended to perform a pilot experiment to determine the optimal dilution for your specific assay. Start with a range of dilutions (e.g., 1:100 to 1:1000) and adjust as necessary based on the observed results.

### Negative Control Application:

Normal Chicken IgY can be used as a negative control in various immunological assays to assess non-specific binding and background noise. Replace the primary antibody with Normal Chicken IgY in your experimental design to evaluate the specificity of the assay. Perform parallel experiments with both the primary antibody and Normal Chicken IgY to compare and interpret the results accurately.

### Experimental Procedure:

Follow the standard protocols for the specific immunological technique you are performing (e.g., Western blotting, ELISA, Immunohistochemistry, Flow Cytometry and more). You can find these protocols at Davids:

<https://www.davids-bio.com/pages/protocols.html>

Prepare appropriate control groups, including a negative control using Normal Chicken IgY, and experimental groups for comparison. Ensure proper sample preparation, blocking steps, incubation times, and washing steps, as recommended for your specific application.

### Optimization:

It is important to optimize the use of Normal Chicken IgY as a negative control for each specific experiment. Varying the dilution, incubation time or other experimental parameters may help to enhance the specificity and sensitivity of the assay.

## - 3 - Special Handling

You may add Sodium Azide ( $\text{NaN}_3$ ) to this antibody or other preservatives to increase the stability of the antibody fraction. Please check if the preservative disturbs your applications.

## - 4 - Information

### Handling

Preservation	-
Filtration	Sterile Filtered (Please handle the antibodies under sterile conditions)
Storage Conditions	2 – 8°C

The antibody fraction has an expiration date of 12 months at 2 - 4°C. In many cases the fraction is stable for years.

### Protocols

ELISA	<a href="https://data.davids-bio.com/protocols/12%20ELISA%20HRP.pdf">https://data.davids-bio.com/protocols/12%20ELISA%20HRP.pdf</a>
WesternBlot	<a href="https://data.davids-bio.com/protocols/10%20WesternBlot.pdf">https://data.davids-bio.com/protocols/10%20WesternBlot.pdf</a>
IHC	<a href="https://data.davids-bio.com/protocols/11%20Protocols%20-%20IHC%20Frozen%20Tissue.pdf">https://data.davids-bio.com/protocols/11%20Protocols%20-%20IHC%20Frozen%20Tissue.pdf</a>
Antibody Storage	<a href="https://data.davids-bio.com/protocols/02%20Antibody%20Storage.pdf">https://data.davids-bio.com/protocols/02%20Antibody%20Storage.pdf</a>