

Mouse Anti-Chicken IgY [Unconjugated]

Cat.No: 20.0150

www.davids-bio.com (Custom Antibodies)

www.davids-science.de (Lab Material)

- 1 - Introduction

Balb/c mice are immunized with complete IgG (IgY) from chicken egg yolk, purified to >99% (Affinity purified). Monoclonal antibodies were developed using hybridoma techniques. The resulting antibody is a IgG1 kappa monoclonal antibody purified by ProteinA. It detects the Fc part of IgG (IgY) from chicken egg yolk. In consequence, the binding of this antibody does not affect the binding of the antibody to the target molecules.

Information

| | |
|-------------|---------------------|
| Cat.No. | 20.0150.10 (1.0 ml) |
| Hybridoma | IgY-142 |
| Subclass | IgG1 Kappa |
| Host | Mouse Monoclonal |
| Conjugation | - |

- 2 - Manual

Recommendations of the secondary antibody: Concentration in µg/ml

| | | | | | | |
|--------------|-----|---|----|----|-----|-----------------|
| WesternBlot | ● | ● | ● | ● | ○ | 0.2 – 50 µg/ml |
| | 0.2 | 2 | 10 | 50 | 100 | |
| ELISA | ● | ● | ● | ● | ○ | 0.02 – 50 µg/ml |
| | 0.2 | 2 | 10 | 50 | 100 | |
| IHC Dilution | ○ | ● | ● | ● | ● | 2 – 100 µg/ml |
| | 0.2 | 2 | 10 | 50 | 100 | |

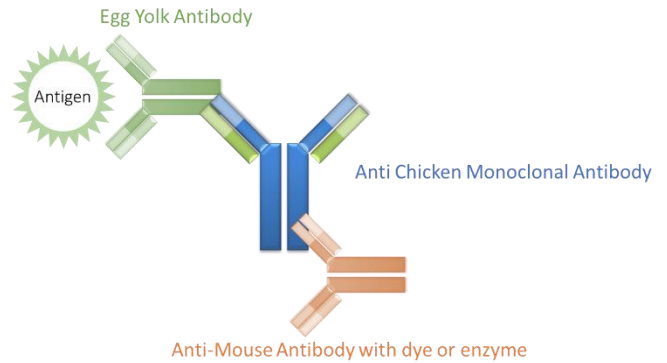
- 3 - Cross Reactivity

Cross reactivity is tested by ELISA method and by Western Blot technique. We determined less than 1 % of cross reactivity to human IgG, bovine IgG, mouse IgG, rabbit IgG.

- 4 - Use of the antibody

The antibody can be used as an intermediate antibody for higher sensitivity in immunoassays by using anti-IgY in combination with secondary anti-mouse IgG conjugated to a dye or an enzyme.

Furthermore, the antibody can be utilized in immunoprecipitation as an intermediate antibody. In combination with the primary anti-chicken antibody. In a first step the antibody is used in combination with the primary anti-chicken antibody. Afterwards ProteinG Sepharose can be applied.



We recommend to use a concentration of the intermediate antibody between 0.01 µg/ml and 10 µg/ml. However, the best concentration can be different for individual approaches.

- 5 - Information

Handling

Preservation 0.02% Na-Azide

Storage Conditions 2 – 8°C

The antibody fraction has an expiration date of 6 months at 2 - 4°C. In many cases the fraction is stable for years.

Protocols

ELISA <https://data.davids-bio.com/protocols/12%20ELISA%20HRP.pdf>

WesternBlot <https://data.davids-bio.com/protocols/10%20WesternBlot.pdf>

IHC <https://data.davids-bio.com/protocols/11%20Protocols%20-%20IHC%20Frozen%20Tissue.pdf>

Antibody Storage <https://data.davids-bio.com/protocols/02%20Antibody%20Storage.pdf>