

Rabbit Anti-Chicken IgY / Biotin antibody

SL0432R-Biotin

Product Name Rabbit Anti-Chicken IgY / Biotin

Chinese Name 生物素标记兔抗鸡 IgY 抗体

Alias Rabbit Anti-Chicken IgY H&L (Biotin)



Specific References (1) | SL0432R-Biotin has been referenced in 1 publications.

[IF=3.09] Ren, Shaoda, et al. "< i> Arnebia preventing the expression of Muc1 protein decrease anti-implantation in early pregnant mice." Contraception 83.4 (2011): 378-384. **IHC-P ; Mouse.**

PubMed:21397099

Immunogen Species

Rabbit

Clonality

Polyclonal

React Species

Chicken,

WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:100-500 IHC-F=1:100-500 ICC=1:100-500 IF=

Applications

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

Form

Liquid

Concentration

1.0 mg/ml

immunogen

Native Chicken IgY

Lsotype

IgG

Purification

affinity purified by Protein A

Buffer Solution

10 mM TBS (pH=7.4) with 1% BSA, 3% Proclin300 and 50% glycerol.

Storage

Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Attention

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Product Detail

In chickens, immunoglobulin Y is the functional equivalent to Immunoglobulin G (IgG). Like IgG, it is composed of two light and two heavy chains. Structurally, these two types of immunoglobulin differ primarily in the heavy chains, which in IgY have a molecular mass of about 65,100 atomic mass units and are thus larger than in IgG. The light chains in IgY, with a molar mass of about 18,700 amu, are somewhat smaller than the light chains in IgG. The molar mass of IgY thus amounts to about 167,000 amu.



The steric flexibility of the IgY molecule is less than that of IgG. Functionally, IgY is partially comparable to Immunoglobulin E (IgE), as well as to IgG. However, in contrast to IgG, IgY does not bind to Protein G, or to cellular Fc receptors. Furthermore, IgY does not activate the complement system. Immunoglobulin Y was suggested in 1969 by G.A. Leslie and L.W. Clem, after they were able to identify differences between the immunoglobulins found in chicken eggs, and immunoglobulin G. Other synonymous names are Chicken IgG, Egg Yolk IgG, and 7S-IgG.