

## Product datasheet

# Mouse monoclonal [7C2] Anti-Chicken IgY H&L (Biotin) ab8923

### 概述

产品名称	小鼠单克隆抗体[7C2]抗鸡IgY H&L (Biotin)
描述	小鼠单克隆抗体[7C2]抗鸡IgY H&L (Biotin)
宿主	Mouse
靶标种属	Chicken
经测试应用	适用于: WB
偶联物	Biotin

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: PBS, 0.1% BSA
纯度	IgG fraction
共轭说明	Biotinylated
克隆	单克隆
克隆编号	7C2
同种型	IgG1
轻链类型	unknown
常规说明	

The yolk of eggs laid by immunized chickens has been recognized as an excellent source of antibodies. Specific antibodies produced in chickens offer several important advantages over producing antibodies in other mammals. Because a single egg contains as much antibody as an average bleed from a rabbit, this simple, non-invasive approach presents an appealing alternative to conventional antibody production methods. Purification of chicken egg yolk immunoglobulin Y (IgY), the 150 kDa IgG homolog, does not require animal bleeding. In addition, the eggs from immunized chickens provide a continual, daily source of antibody, and this convenient approach offers greater compatibility with animal protection regulations. Due to the phylogenetic distance between birds and mammals, there is greater potential of producing a higher percentage of specific antibody against mammalian antigens when using chickens. Highly conserved mammalian proteins sometimes fail to illicit a humoral response in animals, such as rabbits, that are traditionally used for generating antibodies. Non-specific binding and

need for cross-species immunoabsorptions is eliminated since chicken IgY does not cross-react with mammalian IgG and does not bind bacterial or mammalian Fc receptors. There are well defined structural differences of IgY-type immunoglobulins and the IgG of mammals. That includes the molar mass of the heavy chains of the immunoglobulins. The IgY-type immunoglobulins are much less flexible than IgG. Also, the structures of the Fc part of the immunoglobulin isotypes IgY and IgG are different.

## 应用

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Our [Abpromise guarantee](#) covers the use of **ab8923** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use at an assay dependent concentration.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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