

Datasheet for ABIN458047

**Goat anti-Human IgA (Dimer), (Joining Chain) Antibody (Biotin)  
- Preadsorbed**[Go to Product page](#)

## Overview

Quantity:	1 mL
Target:	IgA
Binding Specificity:	Dimer, Joining Chain
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Human J chain is a polypeptide folded within the structure of the polymeric immunoglobulin, resulting in a very limited exposure of J chain antigenic determinants. The antiserum is raised against the isolated and purified J chain. J chains isolated from polymeric IgA and IgM are identical by criteria of composition, peptide maps and antigenicity, Human J chain is distinct from all other chain components of polymeric IgA and IgM. It has a unique primary structure as shown by sequence analyses. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	Tested in immunoelectrophoresis and radial immunodiffusion (Ouchterlony), this immunoconjugate shows a single precipitation reaction with totally reduced and alkylated polyclonal and monoclonal polymeric IgA, secretory IgA and IgM. A reaction of complete identity is obtained with precipitated highly purified J chain and with the single of precipitation

## Product Details

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obtained with normal human serum after two hours incubation with 9 M urea and 0.2 M mercaptoethanol at pH 8.6. In a competitive radioimmunoassay no inhibition is obtained with monomeric IgA, polyclonal IgG, reduced and alkylated alpha, mu, gamma, kappa and lambda light chains (less than 1 percent over background)

**Cross-Reactivity (Details):** The antiserum does not cross-react with any other component of human plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. J chains of many related specie (e.g. mouse, rabbit, dog cat sheep and swine) are known to posses a striking structural homology. of this antiserum has not been tested in detail.

**Characteristics:** Biotin-conjugated IgG fraction of polyclonal goat antiserum to human J chain of dimeric IgA  
Biotin/IgG protein molar ratio (B/P) approximately 7.3. No foreign proteins added.

**Purification:** Preadsorption: Immunoaffinity adsorbed using insolubilized antigens

## Target Details

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**Target:** IgA

**Abstract:** [IgA Products](#)

**Target Type:** Antibody

## Application Details

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**Application Notes:** In immunocytochemical and immunohistochemical techniques for the detection of human J chain at the cellular and subcellular level in appropriately treated cell and tissue substrates, as detection reagent in non-isotopic methodology and solid phase immunochemistry (e.g. ELISA, Western blotting). As a second step an avidin or streptavidin conjugate of the user's choice has to be used. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. Working dilutions for histochemical and cytochemical use are usually between 1:50 and 1:500, in ELISA and comparable non-precipitating antibody-binding assays between 1:200 and 1:10,000.

**Restrictions:** For Research Use only

## Handling

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Format:	Lyophilized
Concentration:	10 mg/mL
Buffer:	Biotin-coupled purified hyperimmune IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2)
Preservative:	Without preservative
Handling Advice:	Aliquot to Avoid repeated freezing and thawing.
Storage:	4 °C