

Goat anti Human J chain of dimeric IgA Secondary Antibody

Goat anti Human J chain of dimeric IgA, conjugated with Biotin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77598	Goat	Human	Immunoblot, Western Blot, Dot Blot, Immunohistochemistry, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

Goat anti Human J chain of dimeric IgA; Polyclonal Secondary Antibody; conjugated with Biotin; Goat anti Human J chain of dimeric IgA secondary antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Human
Clonality	Polyclonal
Specificity	Biotin-conjugated IgG fraction of polyclonal Goat antiSerum to Human J chain of dimeric IgA
Form/Format	Biotin-coupled purified hyperimmune IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2) No preservative added, as it may interfere with the antibody activity.
Applicable Applications for Goat anti Human J chain of dimeric IgA secondary antibody	IB (Immunoblot), DB (Dot Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), ELISA
Source	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.
Product	Biotin-coupled purified hyperimmune IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2) No preservative added, as it may interfere with the antibody activity.
Product Form	Biotin
Species Reactivity Note	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. Cross-reactivity of this antiSerum has not been tested in detail.
Preparation and Storage	The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided.

ADDITIONAL INFORMATION

Related Product Information for Goat anti Human J chain of dimeric IgA secondary antibody	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 obtained with normal human serum after two hours incubation with 9M urea and 0.2M 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). 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 nonisotopic 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.
Product Categories/Family for Goat anti Human J chain of dimeric IgA secondary antibody	Conjugated Secondary Antibody

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/goat-anti-human-j-chain-of-dimeric-iga-secondary-antibody-immunoblot-dot-blot-immunohistochemistry-immunocytochemistry-elisa/77598>