Datasheet for ABIN2624384

anti-IGJ antibody (Biotin)

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Overview

Quantity:	1 mL
Target:	IGJ
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This IGJ antibody is conjugated to Biotin
Application:	Immunohistochemistry (IHC), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Dot Blot (DB)

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. Fr Type of Immunogen: Purified protein
Specificity:	Human J chain of dimeric IgA.
Purification:	Purified IgG

Target Details

Target:	IGJ
Alternative Name:	JCHAIN / Ig J Chain (IGJ Products)
Background:	Name/Gene ID: JCHAIN Synonyms: JCHAIN, IGCJ, Immunoglobulin J chain, IGJ, IgJ chain, JCH
Gene ID:	3512

Application Details

Application Notes:	Approved: DB, ELISA, ICC, IHC, IHC-P Usage: 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 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). 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 labeled 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 1:10000. The applications listed have been tested for the unconjugated form of this product. Other forms have not been tested.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Distilled water
Concentration:	Lot specific
Buffer:	Lyophilized from PBS, pH 7.2. No preservative added.
Preservative:	Without preservative
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.