

# Product Datasheet

## Goat anti-Human J Chain Secondary Antibody [Biotin] NBP2-69760

Unit Size: 1 ml

Store at 4C in the dark.

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**NBP2-69760****Goat anti-Human J Chain Secondary Antibody [Biotin]**

<b>Product Information</b>	
<b>Unit Size</b>	1 ml
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute by adding 1 ml sterile distilled water, spin down to remove insoluble particles.
<b>Conjugate</b>	Biotin
<b>Purity</b>	Ion exchange chromatography
<b>Buffer</b>	Lyophilized from PBS,(pH 7.2)
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Species</b>	Human
<b>Reactivity Notes</b>	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.
<b>Specificity/Sensitivity</b>	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).
<b>Immunogen</b>	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.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Dot Blot, ELISA, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunoblotting, Dot Blot

**Application Notes**

The lyophilized conjugate is shipped at ambient temperature and may be stored at +4C; prolonged storage at or below -20C. 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 -20C. 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.





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### **Products Related to NBP2-69760**

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NB100-64825	J Chain Antibody (Mc19-9)
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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary Antibodies are guaranteed for 1 year from date of receipt.

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