

**OMNITOPE<sup>TM</sup>** product information for**Hepatitis B - surface antigen  
Antiserum Products****Antiserum Characterization (neat)**

HOST ANIMAL : Goat

IMMUNOGEN : subtypes ad &amp; ay

SPECIFICITY : purified surface antigen

TITER : 1:1,000 in ELISA

CROSS REACTIVITY: Monospecific

UNINFECTED CELL REACTIVITY: N/D

OTHER :

**1801 Unconjugated Preparation**

This product consists of the purified IgG fraction of the above antiserum prepared by methods developed by ViroStat to a purity of >95%. The product is formulated in a phosphate saline buffer (0.01M, pH 7.2) containing 0.1% sodium azide preservative. No stabilizing proteins have been added. Potential applications for this product are numerous including ELISA, fluorescence microscopy, immunoblotting and immunohistochemistry. In addition, this product may be used in place of neat antiserum in almost any appropriate antibody-based technique. It is also suitable for conjugation purposes. Protein concentration is 4-5 mg/ml. Recommended short term (<6 months) storage is liquid at 2-8°C. For longer term storage, aliquot and freeze. Unit size is 1.0 ml.

**1807 Biotin Conjugate**

This product consists of purified IgG fraction of the above antiserum covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution. The product is formulated in a phosphate saline buffer (0.01M, pH 7.2) containing 0.1% sodium azide preservative. No stabilizing proteins have been added. Possible applications for this product include avidin and streptavidin amplification systems for immunohistochemistry, ELISA, fluorescence microscopy and immunoblotting. In addition, this product may be used in place of neat antiserum in almost any appropriate antibody-based technique. Protein concentration is 4-5 mg/ml. Recommended short term (<6 months) storage is liquid at 2-8°C. For longer term storage, aliquot and freeze. Unit size is 1.0 ml.

**1803 Fluorescein Conjugate**

This product consists of purified IgG fraction of the above antiserum covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product. The product is formulated in a phosphate saline buffer (0.01M, pH 7.2) containing bovine serum albumin (10 mg/ml) as a stabilizer and 0.1% sodium azide preservative. Applications for this product include direct FA staining of target antigens in a permissive tissue culture system. Working dilution must be determined by the user for his or her application but a starting range of 1:10 - 1:50 is suggested. Acetone fixation of the antigen source is recommended prior to staining. ViroStat also recommends use of its COUNTERSTAIN/BLOCKING DILUENT (Cat.#4400) and its MOUNTING MEDIUM (Cat.#4300) for optimum product performance. Enzyme amplification following reaction with FITC conjugate can also be accomplished utilizing ViroStat's enzyme-antibody conjugates specific to FITC (Cat.#s 3104 & 3105). Recommended short term (<6 months) storage is liquid at 2-8°C under subdued light. For longer term storage, aliquot and freeze. Immunoglobulin concentration is 4-5 mg/ml. Unit size is 1.0 ml.

**1804 Peroxidase Conjugate**

This product consists of purified IgG fraction of the above antiserum covalently coupled to a highly purified preparation of horseradish peroxidase (RZ >3) by methods developed by ViroStat. Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent. Immunoglobulin concentration in this product is 1-2 mg/ml. Estimated molar HRP:IgG substitution is 2-3. This preparation is supplied in a phosphate saline buffer stabilized with bovine serum albumin (10 mg/ml) and preserved with 0.002% thimerosal. This product is suitable for immunohistochemical, immunoblotting and EIA applications. Working strength must be determined by the user but a starting range of 1:20 - 1:200 is recommended for immunochemistry and blotting while 1:200 - 1:1,000 is recommended for enzyme immunoassays. Recommended short term (<6 months) storage is liquid at 2-8°C. For longer term storage, aliquot and freeze. Unit size is 1.0 ml.

**NOTE: sodium azide is a potent inhibitor of peroxidase !****THESE PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES**

Comments:

**..... ViroStat**

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Infectious Disease  
Research**  
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