

Herpes Simplex Virus 1&2 (HSV 1&2)

Prediluted Polyclonal Antibody
902-108-030422

BIOCARE
M E D I C A L

Available Product Formats				
Format	Catalog Number	Description	Dilution	Diluent
Predilute	PP 108 AA	6.0 mL	Ready-to-use	N/A
intelliPATH FLX	IPR 108 G10	10 mL	Ready-to-use	N/A
UltraLine – For BenchMark	AVR 108 G	6.0 mL	Ready-to-use	N/A

Intended Use:

For Research Use Only. Not for use in diagnostic procedures.

Summary and Explanation:

This antibody reacts with Herpes Simplex Virus (HSV) 1 and 2. It reacts with major viral envelope glycoproteins and with core proteins. Infected biopsy tissues include esophagus, lung, liver, cervix and perianal region, as well as cytology specimens. HSV can also infect both the peripheral and central nervous system. Viral antigens may be detected in the cytoplasm and nucleus. Typically, HSV Type 1 infects tissues such as lung and esophagus and HSV Type 2 infects the genitals and anus. This antibody does not cross-react with cytomegalovirus, Epstein-Barr virus, or varicella zoster virus. This antibody is compatible with formalin fixation, however prolonged fixation can be detrimental to HSV staining.

Source: Rabbit polyclonal

Clone: N/A

Isotype: IgG

Protein Concentration: Lot specific Ig concentration is not available.

Epitope/Antigen: Herpes Simplex Virus

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As: Buffer with protein carrier and preservative

Storage and Stability:

Store at 2°C to 8°C. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date.

Limitations:

This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.

Precautions:

1. This antibody contains less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC. Sodium azide (NaN₃) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center for Disease Control, 1976, National Institute of Occupational Safety and Health, 1976) (3)
2. Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water. (4)
3. Microbial contamination of reagents may result in an increase in nonspecific staining.
4. Do not use reagent after the expiration date printed on the vial.
5. The SDS is available upon request and is located at <http://biocare.net>.

Technical Support:

Contact Biocare's Technical Support at 1-800-542-2002 for questions regarding this product.

References:

1. Martin JR, *et al.* Type-specific identification of herpes simplex and varicella-zoster virus antigen in autopsy tissues. Hum Pathol. 1991 Jan;22(1):75-80.2. Tomita T, *et al.* Identification of herpes simplex virus infection by immunoperoxidase and in situ hybridization methods. Virchows Arch A Pathol Anat Histopathol. 1991;419(2):99-105.
3. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove Azide Salts."
4. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.

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60 Berry Drive
Pacheco, CA 94553
USA

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Tel: 800-799-9499 | www.biocare.net | Fax: 925-603-8080