

## Datasheet: 4956-0104

|                      |                                    |
|----------------------|------------------------------------|
| <b>Description:</b>  | GOAT ANTI HERPES SIMPLEX VIRUS 1/2 |
| <b>Specificity:</b>  | HERPES SIMPLEX VIRUS 1/2           |
| <b>Format:</b>       | Purified                           |
| <b>Product Type:</b> | Polyclonal Antibody                |
| <b>Isotype:</b>      | Polyclonal IgG                     |
| <b>Quantity:</b>     | 1 ml                               |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                    | Yes | No | Not Determined | Suggested Dilution |
|--------------------|-----|----|----------------|--------------------|
| Immunofluorescence | ▪   |    |                |                    |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| <b>Target Species</b>                 | Viral                                 |
| <b>Product Form</b>                   | Purified IgG - liquid                 |
| <b>Buffer Solution</b>                | Phosphate buffered saline             |
| <b>Preservative Stabilisers</b>       | 0.1% Sodium Azide (NaN <sub>3</sub> ) |
| <b>Approx. Protein Concentrations</b> | IgG concentration 5.0 mg/ml           |
| <b>Immunogen</b>                      | Human HSV type 1, Strain F            |
| <b>RRID</b>                           | AB_618826                             |

**Specificity** **Goat anti Herpes simplex Virus 1/2 antibody** reacts with Herpes Simplex virus 1 and 2, recognizing infected cell proteins (ICPs) and late structural (virion) antigens. Goat anti Herpes simplex Virus 1/2 antibody does not react with HEp-2 cells.

Herpes Simplex virus (HSV) is a double stranded DNA virus of which there are 2 types, HSV1 and HSV2. HSV1 usually establishes latency in the trigeminal ganglion, a collection of nerve cells near the ear. From the trigeminal ganglion, it tends to recur on the lower lip or face causing cold sores. HSV2 usually resides in the sacral ganglion at the base of the spine. From there, it recurs in the genital area.

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## References

1. Sufiawati, I. and Tugizov, S.M. (2014) HIV-associated disruption of tight and adherens junctions of oral epithelial cells facilitates HSV-1 infection and spread. [PLoS One. 9: e88803.](#)
2. Civitelli, L. *et al.* (2015) Herpes simplex virus type 1 infection in neurons leads to production and nuclear localization of APP intracellular domain (AICD): implications for Alzheimer's disease pathogenesis. [J Neurovirol. 21 \(5\): 480-90.](#)
3. Marocchi, M.E. *et al.* (2018) The Amphibian Antimicrobial Peptide Temporin B Inhibits *In Vitro* Herpes Simplex Virus 1 Infection. [Antimicrob Agents Chemother. 62 \(5\)Apr 26 \[Epub ahead of print\].](#)
4. Di Sotto, A. *et al.* (2018) A Polyphenol Rich Extract from *Solanum melongena* L. DR2 Peel Exhibits Antioxidant Properties and Anti-Herpes Simplex Virus Type 1 Activity *In Vitro*. [Molecules. 23 \(8\)Aug 17 \[Epub ahead of print\].](#)

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## Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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## Guarantee

12 months from date of despatch

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## Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/4956-0104>  
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## Regulatory

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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