DATASHEET

# HHV8 Mouse Monoclonal Antibody(ARA502)

CAT. NO. ARA5825

## KEY FEATURES

| | | | |
|---|---|---|---|
| **Target:** | HHV8 | **Clone ID:** | ARA502 |
| **Source/Host:** | Mouse | **Reactivity:** | Human |
| **Clonality:** | Monoclonal | **Applications:** | IHC |
| **Storage:** | at-20°C | | |

## BACKGROUND

HHV-8 (human herpesvirus 8), also known as Kaposi's sarcoma-associated herpesvirus (KSHV), is a gamma-herpesvirus (genus Rhadinovirus) that is the causative agent of Kaposi's sarcoma, primary effusion lymphoma (PEL) and HHV-8-associated multicentric Castleman disease, and is also implicated in other lymphoproliferative disorders. During latent infection the virus expresses only a restricted set of proteins, among which LANA-1 (latency-associated nuclear antigen 1, encoded by ORF73) is the principal latency protein. LANA-1 is expressed constitutively in the nucleus of latently infected cells, where it binds the viral episome to host mitotic chromosomes and thereby maintains the viral genome in dividing cells, and it is regarded as a specific marker of KSHV infection. In immunohistochemistry, HHV-8/LANA-1 staining is the gold standard for the diagnosis of Kaposi's sarcoma and is also used for the diagnosis and differential diagnosis of primary effusion lymphoma, HHV-8-associated multicentric Castleman disease and some lymphoproliferative disorders, in which infected cells typically show a characteristic nuclear staining pattern.

## APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

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| **IHC** | 1:50-1:100 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

## OVERVIEW

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| **Description** | Mouse monoclonal antibody to HHV8 LANA-1 |
| **Antibody Type** | Primary antibody,Monoclonal |
| **Purification** | Affinity purification Protein A/G. Purified from bioreactor concentrate. |
| **Isotype** | IgG1 |
| **Form/Buffer** | 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide |
| **Alternative Names** | HHV 8, Human Herpes Virus 8, KSHV, Kaposi's sarcoma associated herpes virus, LANA-1, ORF73 |
| **Gene Symbol** | LANA-1/ORF73 |
| **SwissProt** | Q9QR71(HHV8) |

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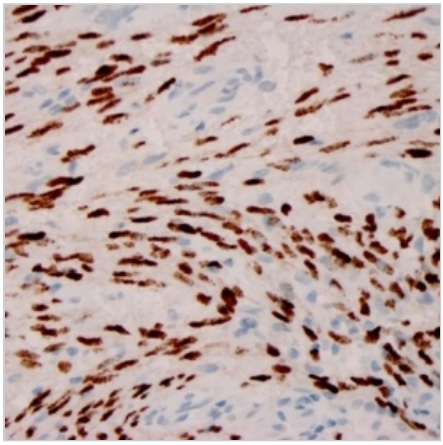
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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## DATA



Immunohistochemical analysis of paraffin-embedded human Kaposi's sarcoma tissue with HHV8 Mouse Monoclonal Antibody(ARA502). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0); detection with HRP conjugated compact polymer system, DAB chromogen; counterstained with hematoxylin.

## STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

## NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com