

## Rabbit Anti-HHV8 ORF62/PE Conjugated antibody

SL16503R-PE

<b>Product Name</b>	Anti-HHV8 ORF62/PE
<b>Chinese Name</b>	PE 标记的人类疱疹病毒 8 ORF62 抗体
<b>Alias</b>	HHV8; Human herpes virus 8; VP19_HHV8P; Kaposi's sarcoma associated herpesvirus; KSHV; ORF62.
<b>Research Area</b>	Bacteria and viruses
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Human Herpesvirus 8) ICC/IF=1:50-200,IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	36kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human HHV8 ORF62
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> Kaposi's sarcoma-associated herpesvirus (KSHV) belongs to the gamma-(2)-herpesvirus subfamily and has been closely linked to the Kaposi's sarcoma, primary effusion lymphoma (PEL) and multicentric Castleman's disease. The genome of KSHV is 165-170 kb and contains at least 88 open reading frames. At least five major proteins are likely to be involved in the

assembly of the HHV-8 capsid, including a protease (encoded by ORF17), the major capsid protein (encoded by ORF25), and three other smaller capsid proteins (encoded by ORF62, ORF26, and ORF65). Previous structural studies have shown that the HSV-1 triplex is a monomer of VP19c and a dimer of VP23 and that the HCMV triplex is similarly composed of a monomer and a dimer. By analogy, the KSHV triplexes are likely also composed of a monomer of the ORF62 protein and a dimer of the ORF26 protein, which are the respective homologs of VP19c and VP23.

**Function:**

Structural component of the T=16 icosahedral capsid. The capsid is composed of pentamers and hexamers of the major capsid protein ORF25, which are linked together by heterotrimers called triplex. These triplex are formed by a single molecule of VP19C and two copies of VP23 which bridge major capsid protein ORF25 multimers together. Triplexes occupy the local threefold positions between hexons and between hexamers and pentamers. Additionally, VP19C is required for efficient transport of VP23 to the nucleus, which is the site of capsid assembly.

**Subunit:**

Interacts with VP23, protein ORF25 and ORF19.

**Subcellular Location:**

Virion. Host nucleus.

**Similarity:**

Belongs to the herpesviridae VP19C family.

**Database links:**

<http://www.ncbi.nlm.nih.gov/protein/550600169>

UniProtKB/Swiss-Prot: F5H8Y5.1

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.