

## Mouse Monoclonal Antibody to KSHV ORF45

<b>Catalogue Number</b>	sAP-0016
<b>Target Molecule</b>	<b>Name: KSHV ORF45</b> <b>Aliases: ORF45</b> <b>MW: N/A</b> <b>Entrez Gene ID: 4961474</b>
<b>Description</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 Castlemann's disease. The genome of KSHV is 165-170 kb and contains at least 88 open reading frames. ORF45 protein encoded by an immediate-early gene in the KSHV genome is characterized as a phosphorylated protein, and it is localized in the cytoplasm of infected cells. Studies have shown that ORF45 Protein interacted with cellular IRF-7 and blocked virus-mediated phosphorylation and nuclear translocation of IRF-7. In consequence, ORF45 efficiently inhibited virus-induced production of type I IFN. Zhu et al (2003) reported that the ORF45 Protein was associated with purified virions
<b>Immunogen</b>	Purified recombinant fragment of KSHV ORF45 expressed in E. Coli.
<b>Recitative Species</b>	KSHV
<b>Clone</b>	MM2D4A5;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Chang Y. et al. 1994. Science. 266:1865-1869. ; 2. Zhu FX. et al. 2002. PNAS. 99: 5573-5578. ; 3. Zhu FX. et al. J Virol. 2003. April (77): 4221-4230. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**