

**Antibody to HSV-1 VP5**
MOUSE MONOCLONAL

Catalog Number: AB-V30
Quantity: 100 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Mouse
Isotype: IgG1
Clone: 6F10-D2-G2
Immunogen: purified HSV-1 B capsids

Background: Herpes simplex virus type 1 (HSV-1) is a common human pathogen, with most individuals exposed during childhood. It is primarily known for causing cold sores and genital lesions, but can also lead to more severe conditions such as stromal keratitis, neonatal disseminated disease, and adult encephalitis. Once acquired, HSV-1 establishes lifelong latency in the host's nerve cells, remaining dormant even in the absence of symptoms.

Specificity & Preparation: This IgG1 mouse antibody was generated against purified HSV-1 B capsids and recognizes amino acids 862-880 of VP5, the major capsid protein.

Usage: Applications include western blot, immunofluorescence, and immunoprecipitation. Working dilutions must be determined by end user.

Storage: Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Newcomb WW, Homa FL, Thomsen DR, Booy FP, Trus BL, Steven AC, Spencer JV, Brown JC (1996) Assembly of the herpes simplex virus capsid: characterization of intermediates observed during cell-free capsid formation. *J Mol Biol* 263(3):432-446. doi: 10.1006/jmbi.1996.0587 PMID: 8918599

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