

## Anti-gC (HSV-2) Mouse Monoclonal Antibody

CATALOG NO. HSV2-gC-117

### Introductions

Human herpes simplex viruses 1 and 2 (HSV-1 and HSV-2), are large DNA viruses with double-stranded, linear DNA genome encased within an icosahedral protein cage called the capsid, which is wrapped in a lipid bilayer called the envelope. HSV encode s up to 12 predicted glycoproteins (gL, gM, gH, gB, gC, gG, gD, gI, gE and gN etc.) that serve various functions, including cellular attachment, entry, and egress. Glycoprotein G is currently the target of an antibody test to differentiate HSV-1 from HSV-2.

### Applications

ELISA, IP, IF, etc.

### Description

Mouse anti-gC (HSV-2) monoclonal antibody

### Immunogen

Genetic immunization with an expression plasmid carrying ectodomain of HSV-2 gC protein (aa 28-445) (GenBank accession#: AFM93864)

### Isotype

IgG1

### Clone Number

IT-M7

### Specificity

Reacts with gC of HSV-2 but not HSV-1

### Purification

Protein G chromatography

### Storage

Store at -20 °C (up to one year at least from date of shipment); Stable for at least 1 month from the date of shipment at 4 °C.

### Size

100 µg in PBS with 40% glycerol

### Usage

This product does not contain livestock or poultry disease agents, non-toxic, non-contagious and is not intended for human use, only for laboratory research and development.

