



# Mouse Anti-HSV gD Monoclonal Antibody, clone I281 (CABT-CS404)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Reactive with gD of Herpes Simplex Virus in immunofluorescence (IFA) and western blot at 10 µg/ml.
<b>Target</b>	HSV gD
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	HSV
<b>Clone</b>	I281
<b>Purification</b>	Protein G agarose affinity chromatography
<b>Conjugate</b>	unconjugated
<b>Applications</b>	IF, WB
<b>Format</b>	Liquid
<b>Concentration</b>	1 mg/mL
<b>Size</b>	500 µg
<b>Buffer</b>	Phosphate Buffered Saline (PBS) pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	This product is supplied frozen on dry ice. Upon receipt, store at -20°C. Avoid multiple freeze-thaw cycles as product degradation may result.

# BACKGROUND

**Introduction**

Herpesvirus infections are widely spread throughout the world population. Herpes simplex virus (HSV) belongs to the  $\alpha$ -herpesvirus subfamily. There are two main types of HSV, HSV-1 and HSV-2, which infect humans. HSV-2 mainly causes genital lesions, whereas HSV-1 is involved in both oral and genital infections. Glycoprotein D (gD) is a structural component of the herpes simplex virus type 1 (HSV-1) envelope which is essential for virus entry and fusion with host cells. gD plays an important role by binding to the host receptors such as herpes virus entry mediator (HVEM) and nectin-1, a member of the immunoglobulin (Ig)-like cell adhesion molecules.

**Keywords**

HSV gD; HSV Glycoprotein D; HSV