



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

Specificity	Reactive with gD of Herpes Simplex Virus in immunofluorescence (IFA) and western blot at 10 µg/ml.
Target	HSV gD
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	HSV
Clone	I281
Purification	Protein G agarose affinity chromatography
Conjugate	unconjugated
Applications	IF, WB
Format	Liquid
Concentration	1 mg/mL
Size	500 µg
Buffer	Phosphate Buffered Saline (PBS) pH 7.4
Preservative	None
Storage	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 α -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
