

HSV-1 gD Specific Neutra™ Antibody (V3S-1023-FY66), Human IgG

Cat. No.: V3S-1023-FY66

Summary

Description	This is a neutralizing antibody that binds to HSV-1 gD. In the neutralization assay, the antibody showed a 76% neutralizing effect. It was able to significantly inhibit the virus.
Clonality	Monoclonal
Host Species	Human
Target Species	Herpes Simplex Virus type 1 (HSV1)
Isotype	Human IgG
Isotype Control	C34555
Secondary Antibody	C75370; C21051; C10513

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and SEC-HPLC
Endotoxin	<1 EU/mg
Purification	Protein A purified
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

Applications

Application	ELISA; Neut
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For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Target

Target	HSV-1 gD
Alternative Name	Herpes simplex virus 1 glycoprotein D; HSV-1 gD; HSV-1; glycoprotein D; gD; envelope glycoprotein D; Human alphaherpesvirus 1
Gene ID	2703444
UniProt	Q69091
Introduction	Herpes simplex virus 1 and 2 (HSV-1 and HSV-2), also known as human herpesvirus 1 and 2 (HHV-1 and HHV-2), are two members of the herpesvirus family, Herpesviridae, that infect humans. Both HSV-1 (which produces most cold sores) and HSV-2 (which produces most genital herpes) are ubiquitous and contagious. They can be spread when an infected person is producing and shedding the virus. Envelope glycoprotein D binds to the potential host cell entry receptors TNFRSF14/HVEM, NECTIN1 and 3-O-sulfated heparan sulfate (By similarity). gD may trigger fusion with host membrane, by recruiting the fusion machinery composed of gB and gH/gL.
Research Area	Microbiology

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