SANTA CRUZ BIOTECHNOLOGY, INC.

HSV-1/2 ICP5 Major Capsid Protein (3B6): sc-56989



BACKGROUND

Two serotypes of the herpes simplex virus, HSV-1 (also known as type 1 or oral) and HSV-2 (type 2 or genital), can establish lifelong latent infections within sensory ganglia. HSV-1 usually establishes latency in the trigeminal ganglion, a collection of nerve cells near the ear. From there, it tends to recur on the lower lip or face. HSV-2 usually resides in the sacral ganglion at the base of the spine. From there, it reiterates in the genital area. HSV-1/2 ICP5 Major Capsid Protein (infected cell polypeptide 5 major capsid protein), also known as VP5, is involved in the formation and assembly of sealed viral capsids. The HSV-1/2 ICP5 Major Capsid Protein composes both pentavalent and hexavalent capsomeres, hexons and pentons. Rearrangements of the subunits required to form both types of capsomeres result in structures with disparate electrostatic properties, which may facilitate the binding and release of other structural proteins during capsid maturation.

REFERENCES

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SOURCE

HSV-1/2 ICP5 Major Capsid Protein (3B6) is a mouse monoclonal antibody raised against herpes virus.

PRODUCT

Each vial contains 100 μg lgG_{2b} lambda light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

HSV-1/2 ICP5 Major Capsid Protein (3B6) is recommended for detection of ICP5 of Herpes Simplex Virus 1 and 2 by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of HSV-1/2 ICP5 Major Capsid Protein: 155 kDa.

SELECT PRODUCT CITATIONS

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STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.