

## Anti-Variola (Smallpox) Virus A42R Monoclonal Antibody (MP-K1481) (Mouse IgG)

Cat: MPYF-1022-KX1547

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

The antibody customized production platform is used to screen the mouse monoclonal antibodies with at least 5 synthetic peptides of Variola (Smallpox) Virus A42R. The mAb with highest affinity will be selected. The selected antibody recognizes Variola (Smallpox) Virus A42R. The isotype is Mouse IgG. It can be used in applications: WB (Other applications need to be tested.).

### Product Description

|                    |   |
|--------------------|---|
| Target             | A42R  |
| Species Reactivity | Variola (Smallpox) Virus  |
| Strain             | India-1967, Ind3  |
| Cross Reactivity   | A42R  |
| Specificity        | This antibody recognizes Variola (Smallpox) Virus A42R.   |
| Antibody Isotype   | Mouse IgG   |
| Clone              | MP-K1481  |
| Clonality          | Monoclonal Antibody   |
| Purity             | ≥95% (SDS-PAGE)   |
| Purification       | Purified by Protein A/G chromatography.   |
| Applications       | WB (Other applications need to be tested.)  |
| Buffer             | PBS, pH 7.4   |
| Storage            | Store at 4°C for short term (1 week), store at -20°C to -80°C for long term (1 year).<br>Avoid repeated freeze-thaw cycles. |

### Target

|              |  |
|--------------|--|
| Target       | A42R   |
| Gene Name    | A42R   |
| Introduction | Variola virus is a sizable, brick-shaped virus that is between 302 and 350 nm and 244 and 270 nm in size. It has a single, linear, double-stranded DNA genome that is 186 kbp in size and has a hairpin loop at each end. Variola major and variola minor are the two traditional subtypes of smallpox. Although monkeys and other animals h |

ave contracted the virus in an experimental environment, variola only infects humans in nature.

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|-------------------|-------------------------------|
| Alternative Names | A42R; A42R protein; VARVgp148 |
| Official Symbol   | A42R protein                  |
| Gene ID           | <a href="#">1486523</a>       |
| UniProt ID        | <a href="#">Q89184</a>        |

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