

## Product Datasheet

# Monkeypox Virus (MPXV) MIR Mouse Monoclonal Antibody (Detection) (orb2280051)

<b>Catalog Number</b>	orb2280051
<b>Category</b>	Antibodies
<b>Description</b>	<p>Monkeypox virus (MPXV), which can cause monkeypox (MPX), is a zoonotic enveloped dsDNA virus that belongs to the orthopoxvirus genus of the Poxviridae family. Monkeypox virus was first found in laboratory monkeys in 1958 and the first case of that monkeypox virus infecting humans was identified in 1970. Human Monkeypox virus infection was thought to be endemic in West and Central Africa. Cases from non-endemic countries were seldom identified. But the number of cases detected from 13th May to 21st May 2022 from 12 countries has surpassed the total number identified outside Africa since 1970. Unlike other outbreaks outside Africa before, such as USA in 2003 and Nigeria in 2017, these cases have no established travel links to an endemic area. This rapid spread has raised awareness among scientists.</p>
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Mouse
<b>Form/Appearance</b>	Purified,Liquid
<b>Buffer/Preservatives</b>	PBS, 5% mannital, 0.2% Tween20, pH7.4
<b>Purity</b>	>95% pure (SDS-PAGE)
<b>Purification</b>	Protein A Chromatography
<b>MW</b>	150 kDa

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<b>Tested applications</b>	CLIA
<b>Specificity</b>	Specific for MPXV M1R
<b>Antibody Type</b>	Recombinant Antibody
<b>Matched Pairs</b>	Control:orb2280058; Capture: orb2280053; Detection: orb2280051;
<b>Source</b>	Mammalian cell
<b>Sample Types</b>	Test sample type: Rash acne blister exudate / Nasopharyngeal swabs / serum. Test sample source: Human
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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