

Product Datasheet

Respiratory Syncytial Virus (RSV) Mouse Monoclonal Antibody (Detection) (orb1921801)

Catalog Number orb1921801

Category Antibodies

Description Respiratory syncytial virus (RSV) is a filamentous enveloped, negative-sense, single-stranded RNA virus. The RSV genome is 15.2 kb and contains 10 genes encoding 11 proteins. The M2 gene has two overlapping ORFs, generating both M2-1 (a transcription processivity factor) and M2-2 (a protein that governs the switch from transcription to genome replication). The first two transcribed genes are the nonstructural proteins NS1 and NS2, which together inhibit apoptosis and interferon responses. The RSV virion contains a lipid bilayer displaying the fusion (F), attachment (G) and small hydrophobic (SH) proteins. The F and G proteins are in greater abundance than the SH protein, which is a pentameric ion channel thought to be involved in delaying apoptosis in infected cells. The viral envelope is supported by a layer of matrix (M) and M2-1 proteins. The M protein is a non-glycosylated structural protein lining the inner leaflet of the viral envelope, and it associates with the cytoplasmic domain of the F protein. M2-1 mediates the association between M and the enclosed ribonucleoprotein complexes (RNPs) comprising viral genomic RNA tightly associated with nucleoprotein (N). Also associated with the RNP is the RNA-dependent RNA polymerase complex (RdRp) composed of the large polymerase subunit (L), a phosphoprotein polymerase cofactor (P) and N.

Clonality Monoclonal

Isotype IgM

Conjugation Unconjugated

Reactivity Mouse

Form/Appearance Purified, Liquid

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Buffer/Preservatives	PBS, pH 7.4
Purity	>95% pure (SDS-PAGE)
Purification	Protein A Chromatography
MW	1000 kDa
Tested applications	CLIA
Specificity	Specific for RSV
Matched Pairs	Control:orb1921802; Capture: orb1921800; Detection: orb1921801;
Source	Mammalian cell
Sample Types	Test sample type: Nasopharyngeal swab /Oropharyngeal swab / Nasal swab. Test sample source: Human
Storage	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.
Note	For research use only
Expiration Date	12 months from date of receipt.

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