

12-8119: Anti-Respiratory Syncytial Virus (Clone: RSV-3M3)

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| Clonality : | Monoclonal |
| Clone Name : | RSV-3M3 |
| Application : | ELISA |
| Alternative Name : | RSV, Orthopneumovirus. |
| Isotype : | Human IgG1 λ |
| Immunogen Information : | Human donors targeting the post-fusion RSV F protein using human hybridoma technology. |

Description

Reactivity Species : Respiratory Syncytial-Virus

Expression Host : HEK-293

Endotoxin Level : ≤ 1.0 EU/mg as determined by the LAL method.

Specificity : RSV-3M3 activity is directed against antigenic site IV of the RSV fusion (F) protein and binds to pre- and post-fusion F proteins of RSV A strain A2 and RSV B strain 18537. Clone RSV-3M3 is potent at neutralizing RSV A2, RSV Long viruses (subgroup A), RSV 18537 B, and RSV WV/401R viruses (subgroup B). Competition-binding assay shows that RSV-3M3 targets antigenic site IV. Mutagenesis experiments have revealed RSV-3M3 requires arginine residue R429 for binding and neutralization. EM reconstruction shows that RSV-3M3 binds close to a 0° tilt. RSV-3M3 does not neutralize hMPV.

Product Info

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| Amount : | 100 μ g |
| Purification : | $\approx 95\%$ monomer by analytical SEC |
| Content : | ≈ 5.0 mg/ml. Formulation : This recombinant monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. |
| Storage condition : | Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one year. For longer term storage, aseptically aliquot in working volumes without diluting and store at $\approx -70^\circ\text{C}$. Avoid Repeated Freeze Thaw Cycles. |