

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RSV-3M3
<b>Application :</b>	ELISA
<b>Alternative Name :</b>	RSV, Orthopneumovirus.
<b>Isotype :</b>	Human IgG1 $\lambda$
<b>Immunogen Information :</b>	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 :**  $\leq 1.0$  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

<b>Amount :</b>	100 $\mu$ g
<b>Purification :</b>	$\approx 95\%$ monomer by analytical SEC
<b>Content :</b>	$\approx 5.0$ 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.
<b>Storage condition :</b>	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.