

## 12-8118: Anti-Respiratory Syncytial Virus (Clone: RSV-17E10)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RSV-17E10
<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-17E10 activity is directed against antigenic site IV of the RSV and hMPV fusion (F) proteins and binds to pre- and post-fusion F proteins of RSV A strain A2 and RSV B strain 18537.

Antibody RSV-17E10 is also capable of neutralizing RSV A2, RSV Long viruses (subgroup A), RSV 18537 B, and RSV WV/401R viruses (subgroup B). Competition-binding assay shows that RSV-17E10 targets antigenic site IV. The mode of action is independent of R429. RSV-17E10 is cross-reactive with hMPV F at antigenic site IV and neutralizes hMPV better than RSV. Cross-neutralization of RSV and hMPV is associated with recognition of the G430 and I432 residues, which are shared between RSV and hMPV F proteins. RSV-17E10 binds at a unique  $\sim 56^\circ$  tilt, which may be a determinant of cross-reactivity with hMPV F.

### Product Info

**Amount :** 100  $\mu$ g

**Purification :**  $\geq 95\%$  monomer by analytical SEC

**Content :**  $\geq 5.0$  mg/ml. 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.