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

Clonality :	Monoclonal
Clone Name :	RSV-17E10
Application :	ELISA
Alternative Name :	RSV, Orthopneumovirus
Isotype :	Human IgG1Î»
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-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 ~56° tilt, which may be a determinant of cross-reactivity with hMPV F.

Product Info

Amount :	100 µg
Purification :	â‰¥95% monomer by analytical SEC
Content :	â‰¥ 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.