

Anti-RSV G Recombinant Antibody (V3S-0622-YC5285)

Cat. No.: V3S-0622-YC5285

Summary

Description	This product is a human monoclonal antibody specifically designed to target the G glycoprotein of Respiratory Syncytial Virus (RSV). It is a non-neutralizing anti-RSV G protein antibody that effectively inhibits the binding of RSV G protein to CX3CR1 and prevents RSV G protein-induced chemotaxis. In a murine model of RSV infection, treatment with this monoclonal antibody not only decreased pulmonary inflammation and the production of inflammatory cytokines but also enhanced virus clearance. Notably, its F(ab') ₂ fragment is responsible for reducing leukocyte trafficking and IFN- γ production, without affecting viral replication.
Clonality	Monoclonal
Host Species	Human
Target Species	Human Respiratory Syncytial Virus
Isotype	IgG1 kappa
Isotype Control	C67002
Secondary Antibody	C32400; C75370; C10513; C51635; C45530

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 μ M filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

Applications

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Application	ELISA; Inhib
Application Notes	The antibody is recommended for detection of Respiratory Syncytial Virus G glycoprotein by ELISA and Inhibition assays.

Target

Target	Respiratory Syncytial Virus G glycoprotein
Alternative Name	Respiratory Syncytial Virus G; Respiratory Syncytial Virus G protein
Introduction	Respiratory syncytial virus, also called human respiratory syncytial virus and human orthopneumovirus. Respiratory syncytial virus is a syncytial virus that causes respiratory tract infections. It is a major cause of lower respiratory tract infections and hospital visits during infancy and childhood.
Research Area	Infectious Disease

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