

## Anti-RSV [RSHZ19 (Felvizumab)] Bulk Size Ab00729-49.0-BT

This antibody does not have a J-chain.

This chimeric ferret antibody was made using the variable domain sequences of the original humanized Mouse format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Ferret IgM

**Clone Number:** RSHZ19 (Felvizumab)

**Alternative Name(s) of Target:** SB 209763; respiratory syncytial virus

**UniProt Accession Number of Target Protein:**

**Published Application(s):** functional, ELISA

**Published Species Reactivity:** RSV

**Immunogen:** This antibody was prepared by the humanization of an F protein-specific murine MAb, RSV19. More specifically, molecular techniques were used to insert the complementarity determining regions from murine RSV19 into a human IgG1 heavy and k light chain-variable domain framework.

**Specificity:** This antibody is specific for the an epitope located between amino acids 417-432 of conserved fusion (F) protein of RSV.

**Application Notes:** Though shown to be safe and well-tolerated (Everitt, 1996) and protective against RSV infection in BALB/c mice and cotton rats (Wyde, 1995), this antibody did not demonstrate efficacy in a Phase 3 study (Reichert, 2008). In in vitro studies, palivizumab, another humanized Mab specific for the F protein of RSV, was 4 to 5-fold more potent than felvizumab in neutralising RSV (Scott, 1999).

**Antibody First Published in:** Tempest et al. Reshaping a human monoclonal antibody to inhibit human respiratory syncytial virus infection in vivo. Biotechnology (N Y). 1991 Mar;9(3):266-71 [PMID:1367535](#)

**Note on publication:** Describes the original production of the humanized anti-RSV antibody from murine RSV19.

## Product Form

**Size:** 500 µg Purified antibody in bulk size.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.