

Anti-RSV [RSHZ19 (Felvizumab)] Standard Size Ab00729-19.0

This antibody does not have a J-chain and is monomeric, i.e. it presents with two Fab arms and one Fc domain.

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgA, Kappa

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: 50 µg Purified antibody.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.