Human PLUNC Antibody

Recombinant Monoclonal Mouse IgG_{2B} Clone # 251511R

Catalog Number: MAB18971

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PLUNC in direct ELISAs.
Source	Recombinant Monoclonal Mouse IgG_{2B} Clone # 251511R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E. coli*-derived recombinant human PLUNC Gln20-Val256 Accession # Q9NP55
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

ELISA	This antibody functions as an ELISA capture antibody when paired with Goat Anti-Human PLUNC Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1897). *This product is intended for assay development on various assay platforms requiring antibody pairs.*

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

PLUNC, also named SPLUNC1, is a secreted protein that is expressed in the secretory ducts and submucosal glands of tracheobronchial tissues. It is structurally related to bactericidal/permeability-increasing protein (BPI) and lipopolysaccaride binding protein (LBP), which are central to the host defense against gram-negative bacteria. PLUNC belongs to the short subfamily of PLUNC family proteins and has homology only to the N-terminal domains of BPI. PLUNC may function in the innate immune response against bacteria.

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