

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PLUNC in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 251512
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PLUNC Gln20-Val256 Accession # Q9NP55
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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 lipopolysaccharide 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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