

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PLUNC in direct ELISAs and Western blots. In these formats, less than 10% cross-reactivity with recombinant human PLUNC is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse PLUNC Ala59-Val278 Accession # NP_035256
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.
Immunohistochemistry	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 (Palate, lung, and nasal epithelium clone; also SPLUNC1) is a 25-30 kDa member of the PLUNC family, BPI/PLUNC/LBP superfamily of proteins. PLUNC is a secreted glycoprotein that is expressed by both adult and embryonic respiratory epithelium in the nose, trachea and bronchi/primary bronchioles. It serves as a natural antibacterial polypeptide in the respiratory system. Mature mouse PLUNC is 259 amino acids (aa) in length. It contains four, six-amino acid repeats (GxxLPL) over aa 23-52. There is reportedly one splice variant that shows a 28 aa substitution for the C-terminal 45 amino acids (aa 234-278). Over aa 59-278, mouse PLUNC shares 91% and 75% aa identity with rat and human PLUNC, respectively.

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