10320 Camino Santa Fe, Suite G
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mouse Lplunc1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1776a

Specification

mouse Lplunc1 Antibody - Product Information

Application	**E, WB**
Primary Accession	Q61114
Reactivity	**Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**52.4kDa KDa**

Description
Palate, lung, and nasal epithelium clone (Plunc, now renamed Splunc1) is a small secreted protein expressed in the oropharynx and upper airways of humans, mice, rats, and cows. This protein is structurally homologous to known mediators of host defense against gram-negative bacteria.

Immunogen
Purified recombinant fragment of mouse Lplunc1 (AA: 248-475) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

mouse Lplunc1 Antibody - Additional Information

Gene ID 228801

Other Names
BPI fold-containing family B member 1, Long palate, lung and nasal epithelium carcinoma-associated protein 1, Bpifb1, Lplunc1

Dilution
E~~1/10000
WB~~1/500 - 1/2000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
mouse Lplunc1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

mouse Lplunc1 Antibody - Protein Information

Name Bpifb1

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Synonyms Lplunc1

Function
May play a role in innate immunity in mouth, nose and lungs. Binds bacterial lipopolysaccharide (LPS) and modulates the cellular responses to LPS. May be involved in formation of the left-right axis in the node of the developing embryo.

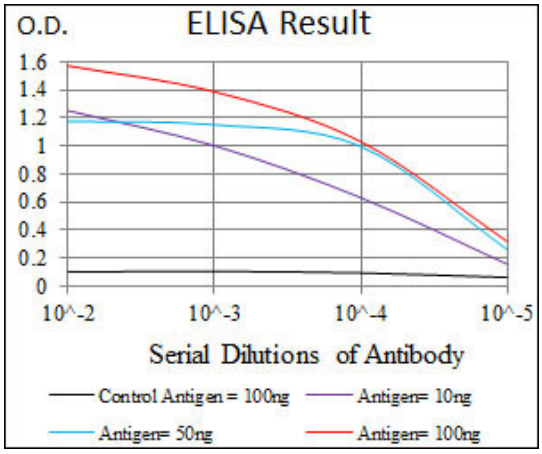
Cellular Location
Secreted.

Tissue Location
Expressed in tongue, lung, thymus, and stomach. Expressed in epithelia of palate, anterior pharynx, trachea and upper bronchi. Expressed in distal tip of papillae in the anterior third of the tongue and in serous cells of von Ebner glands in the posterior third of the tongue. Expressed in columnar epithelium of the duodenum in embryonic gut at 16.5 dpc.

mouse Lplunc1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



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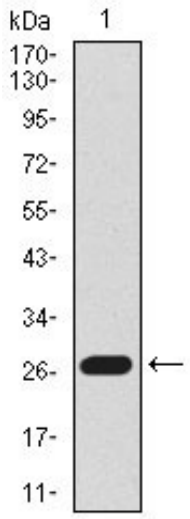

Figure 1: Western blot analysis using Lplunc1 mAb against mouse Lplunc1 recombinant protein. (Expected MW is 27.8 kDa)

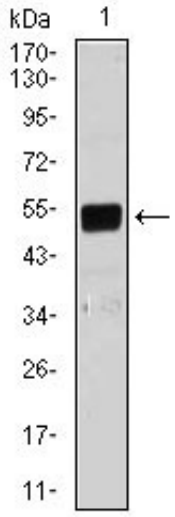

Figure 2: Western blot analysis using Lplunc1 mouse mAb against NIH3T3 (1) cell lysate.

mouse Lplunc1 Antibody - References

1. Briand F, et al. Clin Transl Sci, 2011 Dec. 2. Tang T, et al. Nat Biotechnol, 2010 Jul.