10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

mouse Lplunc1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1776a

Product Information

Application	WB, E
Primary Accession	Q61114
Reactivity	Mouse
Host	Mouse
Clonality	Monoclonal
Clone Names	1F11E3
Isotype	IgG1
Calculated MW	52455
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

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

Protein Information

Name	Bpifb1
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.

References

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

Images

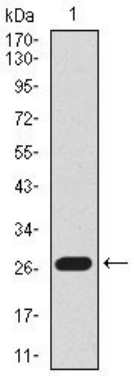


Figure 1: Western blot analysis using Lplunc1 mAb against mouse Lplunc1 recombinant protein. (Expected MW is 27.8 kDa)

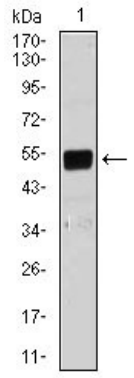


Figure 2: Western blot analysis using Lplunc1 mouse mAb against NIH3T3 (1) cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.