

## Product datasheet for **TA363868**

### Bronchial Basement Cells Mouse Monoclonal Antibody [Clone ID: PLB42]

#### Product data:

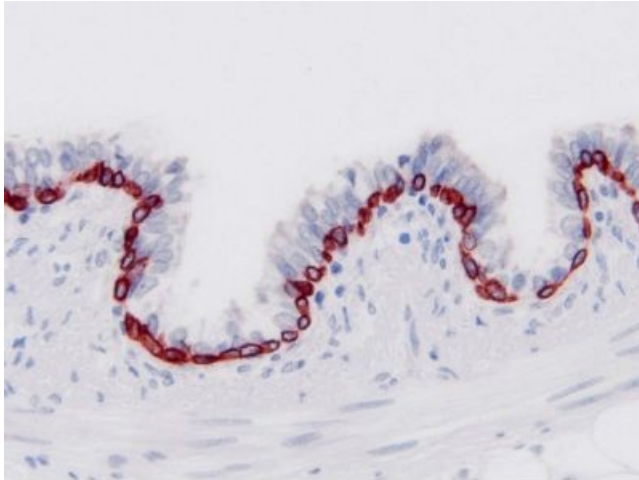
Product Type:	Primary Antibodies
Clone Name:	PLB42
Applications:	ELISA, IHC, WB
Recommended Dilution:	Tested for immunohistochemistry (IHC), other applications not yet tested. Approximate working dilutions: IHC, frozen sections: 1 µg/ml (1:500) IHC, paraffin sections: 2.5 µg/ml (1:200) Proteinase K pretreatment for antigen retrieval is recommended. Optimal dilutions should be determined by the end user.
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Porcine lung extract.
Specificity:	Pig: bronchial basement cells, Leydig cells Other species: reacts with human tissue
<b>Epitope:</b>	The antigen has not yet been identified. The immunohistochemical staining pattern doesn't match other well-known basal cell markers. Further characterization is under way.
<b>Distribution:</b>	Tissue sections: The antibody reacts with bronchial basement cells of the lung and Leydig cells in the testes.
Formulation:	Affinity purified from cell culture supernatant, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.5mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.05% (v/v) Kathon CG as a preservative.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: 1 year at 4° - 8°C. Avoid repeated thawing and freezing of the reconstituted antibody.



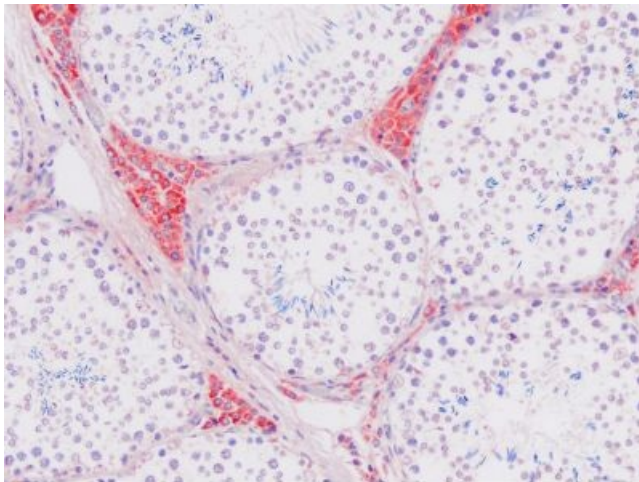
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**Background:**

Monoclonal antibody PLB42 is a particularly interesting marker of bronchial basement cells of the lung epithelium. The prominent staining of basal cells clearly divides the pseudostratified columnar epithelial cell layer from the underlying basement membrane and lamina propria. A subpopulation of basal cells probably carries stem cell characteristics and is involved in cell replacement. Other comparable structures such as the basement cells of the intestinal epithelium are not specifically stained. However, Leydig cells (also known as interstitial cells of Leydig) in the testes are stained positively. This antibody was produced serum-free, without fetal calf serum.

**Product images:**

TA363868, Clone PLB42, swine lung, paraffin section



TA363868, Clone PLB42, swine testis, paraffin section