IHC-plus™ LAMP2 / CD107b Antibody LS-B4782

Catalog ID / Lot ID:	LS-B4782
Target:	LAMP2 / CD107b
Synonyms:	LAMP2, CD107b, CD107b antigen, LAMPB, LGP110, LAMP-2
Family / Subfamily:	Cancer
Host	LAMP2 / CD107b antibody was produced in Mouse
Clonality:	Monoclonal
Isotype:	IgG1
Immunogen Species:	LAMP2 / CD107b antibody was raised against Human
Antigen Type:	Native protein
Specificity:	Recognizes human LAMP 2.
Reactivity:	Human
Purification:	Purified
Presentation:	BBS (Borate Buffered Saline), pH 8.2. No preservative added.
Recommended Storage:	Short term: store at 4°C. Long term: aliquot and store at -20°C. Avoid freeze-thaw cycles.
Uses:	IHC IHC - Paraffin (1:50) Flow Cytometry (optimal dilution to be determined by the researcher)
Size:	50 µg
Concentration:	0.1 mg/ml

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.

Warning: This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Standard Laboratory Practices should be followed. Avoid skin and eye contact, inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plumbing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.

Returns & Refunds: Any problems with LifeSpan products must be reported to LifeSpan within 10 days of product receipt. The customer must obtain written authorization from LifeSpan before returning items. To request that goods be returned, please contact LifeSpan Antibody Customer Support (Customer.Support@LSBio.com).
If an error by LifeSpan BioSciences results in shipment of an incorrect order, LifeSpan will, at its option, either ship a replacement order at no charge, or credit the customer's account for the original product shipped in error.

Conditions & Warranty: All LifeSpan products are intended for research use only and are not for use in human therapeutic or diagnostic applications. The information supplied with each product is believed to be accurate, but no warranty or guarantee is offered for the products, because the ultimate conditions of use are beyond LifeSpan's control. The information supplied with each product is not to be construed as a recommendation to use this product in violation of any patent, and LifeSpan will not be held responsible for any infringement or other violation that may occur with the use of its products. Under no event will LifeSpan be responsible for any loss of profit or indirect consequential damage, including, but not limited to, personal injuries resulting from use of these products. LifeSpan's liability to any user of Products for damages that do not result from any fault of the user, will be limited to replacement of the Product(s) only, and in no event shall LifeSpan's liability exceed the actual price received by LifeSpan for the Product(s) at issue. LifeSpan shall not be liable for any indirect, special, incidental or consequential damages. LIFESPAN FURTHER DISCLAIMS ANY AND ALL EXPRESS AND IMPLIED OR STATUTORY WARRANTIES WITH RESPECT TO THE PRODUCTS, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE. LifeSpan disclaims any and all responsibility for any injury or damage which may be caused by the fault of the user.

Technical Support: All requests for technical support should be submitted to Technical.Support@LSBio.com.

Disclaimer: Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your system. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol: The following protocol is a recommendation only, and LifeSpan makes no guarantee of the results:

Tissue Preparation:	Formalin fixation and embedding in paraffin wax.
Tissue Sectioning:	Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C.
Deparaffinization:	Wash dry slides in 3 changes of xylene – 5 minutes each @ RT
Rehydration:	Wash slides in 3 changes of 100% alcohol – 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol – 3 minutes each @ RT Wash slides in 1 change of 80% alcohol – 3 minutes @ RT Rinse slides in gentle running distilled water – 5 minutes @ RT
Antigen retrieval:	Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) – 1 minute @ RT
Immunostaining:	(Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block – 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody – 45 minutes @ RT Rinse slides in 1X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody – 30 minutes @ RT Rinse slides in 1X TBST - 1 minute @ RT Apply alkaline phosphatase streptavidin – 30 minutes @ RT Rinse slides in 1X TBST - 1 minute @ RT Apply alkaline phosphatase chromogen substrate – 30 minutes @ RT Wash slides in distilled water – 1 minute @ RT
Dehydrate:	(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol – 1 minute each @ RT Wash slides in 2 changes of 95% alcohol – 1 minute each @ RT Wash slides in 3 changes of 100% alcohol – 1 minute each @ RT Wash slides in 3 changes of xylene – 1 minute each @ RT Apply coverslip