

# LAP (Latency Associated Peptide) Monoclonal Antibody (7F6)

Catalog NumberMA5-17186

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	ELISA (ELISA)	1:10,000
Type	Antibody	Flow Cytometry (Flow)	1:200-1:400
Clone	7F6	Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:1,000
Immunogen	Purified recombinant fragment of human TGFb1 (amino acids: 62-195) expressed in E. Coli.	Western Blot (WB)	1:500-1:2,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein G		
Storage buffer	PBS		
Contains	0.05% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

## Product specific information

MA5-17186 targets TGFb1 in FACS, IHC, indirect ELISA, and WB applications and shows reactivity with Human samples. The MA5-17186 immunogen is purified recombinant fragment of human TGFb1 (amino acids: 62-195) expressed in E. Coli. MA5-17186 detects TGFb1 which has a predicted molecular weight of approximately 44.3kDa.

## Background/Target Information

TGF beta-1 is a polypeptide member of the transforming growth factor beta superfamily of cytokines, found almost ubiquitously in tissues. Transforming growth factor (TGF)-b is stored in the extracellular matrix as a latent complex with its prodomain. Activation of TGF-b1 requires the binding of aV integrin to an RGD sequence in the prodomain and exertion of force on this domain, which is held in the extracellular matrix by latent TGF-b binding proteins. Latent forms are complexes of TGF-beta, an aminoterminal portion of the TGF-beta precursor, designated TGF-LAP (TGF-latency associated peptide), and a specific binding protein, known as LTBP.

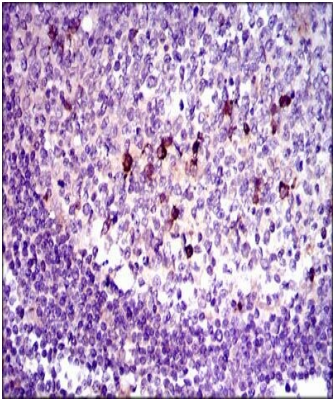
For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

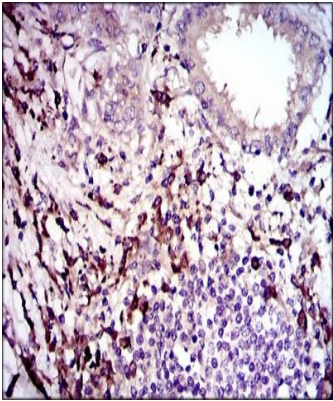
Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.

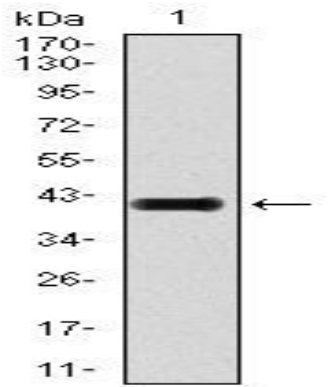
Product Images For LAP (Latency Associated Peptide) Monoclonal Antibody (7F6)



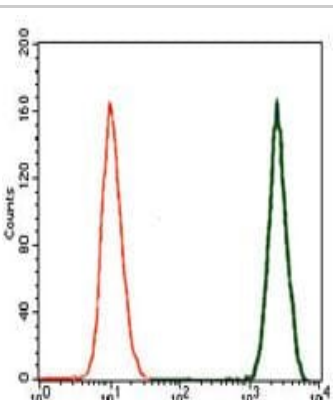
**LAP (Latency Associated Peptide) Antibody (MA5-17186) in IHC (P)**  
Immunohistochemical analysis of paraffin-embedded lymphoid tissue tissues using TGFb1 monoclonal antibody (Product # MA5-17186) followed with DAB staining.



**LAP (Latency Associated Peptide) Antibody (MA5-17186) in IHC (P)**  
Immunohistochemical analysis of paraffin-embedded lung cancer tissues using TGFb1 monoclonal antibody (Product # MA5-17186) followed with DAB staining.



**LAP (Latency Associated Peptide) Antibody (MA5-17186) in WB**  
Western blot analysis of TGFb1 using a TGFb1 monoclonal antibody (Product # MA5-17186) against a human TGFb1 recombinant protein.



**LAP (Latency Associated Peptide) Antibody (MA5-17186) in Flow**  
Flow cytometric analysis of A549 cells using TGFb1 monoclonal antibody (Product # MA5-17186) (green) and negative control (red).

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.