

LAMP5 (BAD-LAMP) Monoclonal Antibody (34.2), eBioscience™

Product Details

Size	25 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rat / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	34.2
Conjugate	Unconjugated
Form	liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% Sodium Azide
Storage conditions	4° C
RRID	AB_2573029

Applications	Tested Dilution	Publications
Western Blot (WB)	5 µg/mL	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1 µg/mL	-
Flow Cytometry (Flow)	Assay-Dependent	2 Publications
ELISA (ELISA)	Assay-Dependent	-
Immunoprecipitation (IP)	Assay-Dependent	-

Product Specific Information

The monoclonal antibody 34.2 recognizes human lysosome-associated membrane protein 5 (LAMP5), a member of the LAMP family. LAMP5 differs from other LAMP family members in that its expression is more restricted and is referred to as brain and dendritic cell-associated LAMP-like molecule (BAD-LAMP). In humans, BAD-LAMP is expressed in post-natal neurons and non-activated plasmacytoid dendritic cells. Expression in neurons is localized to intracellular vesicles distributed in specific microdomains along neurites and may play a role in endocytosis. BAD-LAMP is localized to the endoplasmic reticulum-Golgi intermediate compartment (ERGIC) of plasmacytoid dendritic cells and is lost upon TLR activation.

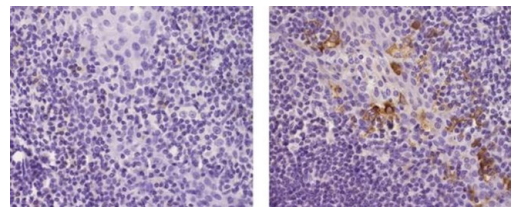
This 34.2 antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded tissue using high or low pH antigen retrieval and can be used at less than or equal to 1 µg/mL. This 34.2 antibody has been tested by western blot analysis of reduced SK-N-SH cell lysates and can be used at less than or equal to 5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For LAMP5 (BAD-LAMP) Monoclonal Antibody (34.2), eBioscience™



LAMP5 (BAD-LAMP) Antibody (14-9778-80) in IHC (P)
Immunohistochemistry of formalin-fixed paraffin embedded human tonsil using 1 µg/mL of Rat IgG1 K Isotype Control Purified (left) or 1 µg/mL of Anti-Human LAMP5 (BAD-LAMP) Purified (right) followed by Anti-Rat IgG Biotin, Avidin HRP, and DAB visualization. Nuclei are counterstained with hematoxylin.

3 References

Western Blot (1)

Godisen zbornik na Medicinskiot fakultet vo Skopje	Year
[Development of EEG changes in subacute leukoencephalitis].	1978
Authors: Sofijanov N,Dukovski M,Sadikario A	Species
	Human

Flow Cytometry (2)

Nature communications	Year
BAD-LAMP controls TLR9 trafficking and signalling in human plasmacytoid dendritic cells.	2017
"Published figure using LAMP5 (BAD-LAMP) monoclonal antibody (Product # 14-9778-82) in Flow Cytometry"	
Authors: Combes A,Camosseto V,N'Guessan P,Argüello R J,Mussard J,Caux C,Bendriess-Vermare N,Pierre P,Gatti E	

Godisen zbornik na Medicinskiot fakultet vo Skopje	Year
[Development of EEG changes in subacute leukoencephalitis].	1978
Authors: Sofijanov N,Dukovski M,Sadikario A	Species
	Human

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