

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

Product Details	
Size	25 µg
Species Reactivity	Human
Host/Isotope	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
ELISA (ELISA)	Assay-Dependent	-
Flow Cytometry (Flow)	Assay-Dependent	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1 µg/mL	-
Immunoprecipitation (IP)	Assay-Dependent	-
Western Blot (WB)	5 µg/mL	-

## 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.

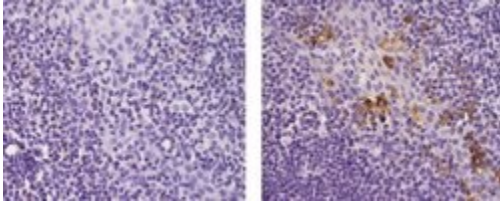
This 34.2 antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded tissue using high or low pH antigen retrieval and can be used at less than or equal to 1 µg/mL. This 34.2 antibody has been tested by western blot analysis of reduced SK-N-SH cell lysates and can be used at 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.

## 1 Reference

### Flow Cytometry (1)

#### Nature communications

#### **BAD-LAMP controls TLR9 trafficking and signalling in human plasmacytoid dendritic cells.**

"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, Mussard J, Caux C, Bendriss-Vermare N, Pierre P, Gatti E

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2017

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