

Datasheet: AHP1634

Description:	RABBIT ANTI HUMAN CD107b
Specificity:	CD107b
Other names:	LAMP-2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen	■			10ug/ml
Immunohistology - Paraffin			■	
ELISA			■	
Western Blotting	■			1.0 - 2.0ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid

Antiserum Preparation Antiserum to human CD107b was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	A peptide corresponding to an 17 amino acid sequence from near the carboxyl terminus of human CD107b.

**External Database
Links**

UniProt:

[P13473](#)

[Related reagents](#)

Entrez Gene:

[3920](#)

LAMP2

[Related reagents](#)

Specificity

Rabbit anti Human CD107b antibody recognizes CD107b, also known as LAMP-2, a single-pass type I membrane protein belonging to the LAMP family. CD107b is a transmembrane glycoprotein that is associated with lysosomal membranes and is primarily expressed on mononuclear phagocytes. Expression of CD107b varies between cell populations and the molecular weight of CD107b can vary between 92-120 kDa. Rabbit anti Human CD107b antibody recognizes a band migrating at ~115 kDa in SDS page. Studies suggest that CD107b may be involved in a range of cellular processes including leukocyte adhesion, protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome along with inter- and intracellular signal transduction. CD107b has also been implicated in tumour metastasis.

**Histology Positive
Control Tissue**

HepG2 cells

Western Blotting

AHP1634 detects a band of approximately 115kDa in HepG2 cell lysate.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:

10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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