

## Datasheet: AHP1634

<b>Description:</b>	RABBIT ANTI HUMAN CD107b
<b>Specificity:</b>	CD107b
<b>Other names:</b>	LAMP-2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### 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

<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	A peptide corresponding to an 17 amino acid sequence from near the carboxyl terminus of human CD107b.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P13473</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3920</a>    LAMP2    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2280154
<b>Specificity</b>	<p><b>Rabbit anti Human CD107b antibody</b> recognizes CD107b, also known as LAMP-2, a single-pass type I membrane protein belonging to the LAMP family. CD107b is a transmembrane glycoprotein 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. CD107b is involved in a range of cellular processes including leukocyte adhesion (<a href="#">Kannan et al. 1996</a>), protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome along with inter- and intracellular signal transduction (<a href="#">Eskelinen 2006</a>). CD107b has also been implicated in tumor metastasis (<a href="#">Alessandrini et al. 2017</a>).</p>
<b>Histology Positive Control Tissue</b>	HepG2 cells
<b>Western Blotting</b>	AHP1634 detects a band of approximately 115kDa in HepG2 cell lysate.
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP163410040">https://www.bio-rad-antibodies.com/SDS/AHP163410040</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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

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

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

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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