

Datasheet: AHP1634

BATCH NUMBER 165816

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. 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
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	<p>UniProt: P13473 Related reagents</p> <p>Entrez Gene: 3920 LAMP2 Related reagents</p>
RRID	AB_2280154
Specificity	<p>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 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 (Kannan et al. 1996), protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome along with inter- and intracellular signal transduction (Eskelinen 2006). CD107b has also been implicated in tumor metastasis (Alessandrini et al. 2017).</p>
Histology Positive Control Tissue	HepG2 cells
Western Blotting	AHP1634 detects a band of approximately 115kDa in HepG2 cell lysate.
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP1634 10040</p>

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 \(STAR209P\)](#)

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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

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