

Rabbit anti-Mouse CD107b Polyclonal Antibody | anti-CD107b antibody

RABBIT ANTI HUMAN CD107b

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50059	Rabbit	Mouse	Western Blot, Immunohistochemistry

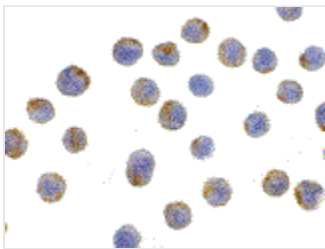
PRODUCT SYNONYMS

CD107b; Polyclonal Antibody; RABBIT ANTI HUMAN CD107b; anti-CD107b antibody

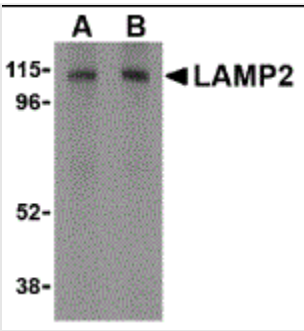
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This item recognises 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 92-120kD. This item migrates 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.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	411
Applicable Applications for anti-CD107b antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Immunogen	A peptide corresponding to an 17 amino acid sequence from near the carboxyl terminus of human CD107b. Histology Positive Control Tissue
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.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree 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.

IMAGES



Application Data
Immunocytochemical staining of HepG2 cells with Rabbit anti Human CD107b (AAA50059)



Application Data
Western blot analysis of whole cell lysate from HepG2 human hepatocellular carcinoma cells probed with Rabbit anti Human CD107b, also known as LAMP-2 (AAA50059) at 1(A) and 2(B) ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CD107b antibody	MBS223732 recognises 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 92-120kD. MBS223732 migrates 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	169790833
NCBI GeneID	3920
NCBI Accession #	NP_001116078.1
NCBI GenBank Nucleotide #	NM_001122606.1
UniProt Accession #	P13473; Q16641; Q6Q3G8; Q96J30; Q99534; Q9UD93; A8K4X5; D3DTF0
Molecular Weight	45,170 Da
NCBI Official Full Name	lysosome-associated membrane glycoprotein 2 isoform C
NCBI Official Synonym Full Names	lysosomal-associated membrane protein 2
NCBI Official Symbol	LAMP2
NCBI Official Synonym Symbols	LAMPB; CD107b; LAMP-2; LGP110
NCBI Protein Information	lysosome-associated membrane glycoprotein 2; CD107 antigen-like family member B
UniProt Protein Name	Lysosome-associated membrane glycoprotein 2
UniProt Gene Name	LAMP2
UniProt Synonym Gene Names	LAMP-2; Lysosome-associated membrane protein 2
UniProt Entry Name	LAMP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.