

Anti-Hu CD107a Purified Azide Free LAMP1 Monoclonal Antibody

Catalog Number: M00780-3

About LAMP1

CD107a (lysosome-associated membrane protein-1, LAMP-1), together with LAMP-2, is a major constituent of lysosomal membrane, 1-2% of total CD107a is found also on the plasma membrane. The LAMP proteins are involved in lysosome biogenesis and are required for fusion of lysosomes with phagosomes. Increased CD107a immunoreactivity is observed in neurones, and in glial cells surrounding senile plaques in Alzheimers disease cases and is localized mainly in medullary epithelial cells, single macrophages and lymphocytes in acute thymic involution. CD107a is a good marker of mast cell activation.

Overview

Product Name	Anti-Hu CD107a Purified Azide Free LAMP1 Monoclonal Antibody
Reactive Species	Human, Mouse, Primate
Description	Boster Bio Anti-Hu CD107a Purified Azide Free LAMP1 Monoclonal Antibody (Catalog# M00780-3). Tested in Flow Cytometry, WB, IHC-P, IHC-F, ICC application(s). This antibody reacts with Human, Primate, Mouse.
Application	Flow Cytometry, IHC-P, IHC-F, ICC, WB
Clonality	Monoclonal H4A3
Formulation	Phosphate buffered saline (PBS), pH 7.4, azide-free
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P11279

Technical Details

Immunogen	Human PBMC. The mouse monoclonal antibody H4A3 recognizes an extracellular/luminal epitope of CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blotting: 1 ug/ml.

Immunohistochemistry: 2-8 ug/ml.

Flow cytometry: Intracellular and extracellular staining; recommended dilution: 1-12 µg/ml.

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