# **Product Datasheet** LAMP-1/CD107a Antibody (H4A3) [PE] NBP2-25183PE

Unit Size: 0.1 ml

Store at 4C in the dark.

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#### NBP2-25183PE

LAMP-1/CD107a Antibody (H4A3) [PE]

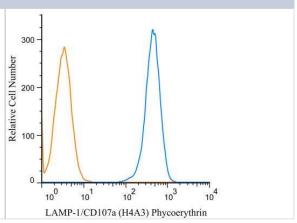
Unit Size0.1 mlConcentrationPlease see the vial label for concentration. If unlisted please contact technical services.StorageStore at 4C in the dark.ClonalityMonoclonalCloneH4A3Preservative0.05% Sodium AzideIsotypeIgG1ConjugatePEPurityProtein A or G purifiedBufferPBSProduct DescriptionMouseGene ID3916Gene SymbolLAMP1SpeciesHuman, Mouse, PrimateReactivity NotesPlease note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-220-NB and MP-2400-NB. PleaseMarkerLate Endosome MarkerSpecificity/SensitivityWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofilorescence, Immunohistochemistry, Immunohistochemistry, Immunohistoch	Product Information	
Storage Store at 4C in the dark.   Clonality Monoclonal   Clone H4A3   Preservative 0.05% Sodium Azide   Isotype IgG1   Conjugate PE   Purity Protein A or G purified   Buffer PBS   Product Description Host   Host Mouse   Gene ID 3916   Gene Symbol LAMP1   Species Human, Mouse, Primate   Reactivity Notes Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.   Marker Late Endosome Marker   Specificity/Sensitivity The mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 KDa glycoproteine expressed mainly on lysosomal, but also on the plasma membrane.   Immunogen Human PBMC   Product Application Details Western Blot, Flow Cytometry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready   Recommended Dilutions Western Blot, Flow Cytometry, Immunohistochemistry-Paraffin, Immunohistochemistry/ Frozen, CyTOF-ready	Unit Size	0.1 ml
ClonalityMonoclonalClonalityMonoclonalCloneH4A3Preservative0.05% Sodium AzideIsotypeIgG1ConjugatePEPurityProtein A or G purifiedBufferPBSProduct DescriptionHostMouseGene ID3916Gene SymbolLAMP1SpeciesHuman, Mouse, PrimateReactivity NotesPlease note that this antibody is reactive to Mouse and derived from the same host, Mouse. On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB. Please contact Technical Support if you have any questions.MarkerLate Endosome MarkerSpecificity/SensitivityThe mouse monoclonal antibody H4A3 recognizes CD107a, an approximately nob-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.ImmunogenHuman PBMCProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/Immunofilorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, CyTOF-ready	Concentration	•
CloneH4A3Preservative0.05% Sodium AzideIsotypeIgG1ConjugatePEPurityProtein A or G purifiedBufferPBSProduct DescriptionMouseHostMouseGene ID3916Gene SymbolLAMP1SpeciesHuman, Mouse, PrimateReactivity NotesPlease note that this antibody is reactive to Mouse and derived from the same host, Mouse Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.MarkerLate Endosome MarkerSpecificity/SensitivityThe mouse monoclonal antibody H4A3 recognizes CD107a, an approximately plasma membrane.ImmunogenHuman PBMCProduct Application DetailsWestern Blot, Flow Cytometry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, CyTOF-ready <th>Storage</th> <th>Store at 4C in the dark.</th>	Storage	Store at 4C in the dark.
Preservative0.05% Sodium AzideIsotypeIgG1ConjugatePEPurityProtein A or G purifiedBufferPBSProduct DescriptionMouseGene ID3916Gene SymbolLAMP1SpeciesHuman, Mouse, PrimateReactivity NotesPlease note that this antibody is reactive to Mouse and derived from the same host, Mouse on-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.MarkerLate Endosome MarkerSpecificity/SensitivityThe mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.ImmunogenHuman PBMCProduct Application DetailsWestern Blot, Flow Cytometry, Immunohistochemistry-Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, CyTOF-ready	Clonality	Monoclonal
tsotypeIgG1ConjugatePEPurityProtein A or G purifiedBufferPBSProduct DescriptionMouseGene ID3916Gene SymbolLAMP1SpeciesHuman, Mouse, PrimateReactivity NotesPlease note that this antibody is reactive to Mouse and derived from the same host, Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.MarkerLate Endosome MarkerSpecificity/SensitivityThe mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.ImmunogenWestern Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Prozen, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, CyTOF-ready	Clone	H4A3
Conjugate   PE     Purity   Protein A or G purified     Buffer   PBS     Product Description   Mouse     Host   Mouse     Gene ID   3916     Gene Symbol   LAMP1     Species   Human, Mouse, Primate     Reactivity Notes   Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.     Marker   Late Endosome Marker     Specificity/Sensitivity   The mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.     Immunogen   Human PBMC     Product Application Details   Western Blot, Flow Cytometry, Immunocytochemistry/ Immunohistochemistry-Paraffin, C,TOF-ready     Recommended Dilutions   Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, CyTOF-ready	Preservative	0.05% Sodium Azide
Purity   Protein A or G purified     Buffer   PBS     Product Description   Mouse     Host   Mouse     Gene ID   3916     Gene Symbol   LAMP1     Species   Human, Mouse, Primate     Reactivity Notes   Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.     Marker   Late Endosome Marker     Specificity/Sensitivity   The mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 KDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.     Immunogen   Human PBMC     Product Application Details   Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready     Recommended Dilutions   Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, CyTOF-ready	Isotype	IgG1
Buffer   PBS     Product Description   Mouse     Host   Mouse     Gene ID   3916     Gene Symbol   LAMP1     Species   Human, Mouse, Primate     Reactivity Notes   Please note that this antibody is reactive to Mouse and derived from the same host, Mouse, On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.     Marker   Late Endosome Marker     Specificity/Sensitivity   The mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.     Immunogen   Human PBMC     Product Application Details   Western Blot, Flow Cytometry, Immunocytochemistry/Immunofiluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready     Recommended Dilutions   Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, CyTOF-ready	Conjugate	PE
Product Description     Host   Mouse     Gene ID   3916     Gene Symbol   LAMP1     Species   Human, Mouse, Primate     Reactivity Notes   Please note that this antibody is reactive to Mouse and derived from the same host, Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.     Marker   Late Endosome Marker     Specificity/Sensitivity   The mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.     Immunogen   Human PBMC     Product Application Details   Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready     Recommended Dilutions   Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry/ Frozen, CyTOF-ready	Purity	Protein A or G purified
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Gene ID3916Gene SymbolLAMP1SpeciesHuman, Mouse, PrimateReactivity NotesPlease note that this antibody is reactive to Mouse and derived from the same host, Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.MarkerLate Endosome MarkerSpecificity/SensitivityThe mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.ImmunogenHuman PBMCProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready	Product Description	
Gene SymbolLAMP1SpeciesHuman, Mouse, PrimateReactivity NotesPlease note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.MarkerLate Endosome MarkerSpecificity/SensitivityThe mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.ImmunogenHuman PBMCProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry- Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry-Paraffin, Immunohistochemistry- Frozen, CyTOF-ready	Host	Mouse
Species Human, Mouse, Primate   Reactivity Notes Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.   Marker Late Endosome Marker   Specificity/Sensitivity The mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.   Immunogen Human PBMC   Product Application Details Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready   Recommended Dilutions Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry/ Immunohistochemistry-Paraffin, Immunohistochemistry/ Immunohistochemistry-Frozen, CyTOF-ready	Gene ID	3916
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host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.MarkerLate Endosome MarkerSpecificity/SensitivityThe mouse monoclonal antibody H4A3 recognizes CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.ImmunogenHuman PBMCProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry- Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry- Frozen, CyTOF-ready	Species	Human, Mouse, Primate
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Product Application Details   Applications Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready   Recommended Dilutions Western Blot, Flow Cytometry, Immunohistochemistry, Immunohis	Specificity/Sensitivity	100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the
ApplicationsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry- Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry	Immunogen	Human PBMC
Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry- Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry- Frozen, CyTOF-ready	Product Application Details	
Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry- Frozen, CyTOF-ready	Applications	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-
Application NotesOptimal dilution of this antibody should be experimentally determined.	Recommended Dilutions	Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-
	Application Notes	Optimal dilution of this antibody should be experimentally determined.

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#### Images

Flow Cytometry: LAMP-1/CD107a Antibody (H4A3) [PE] [NBP2-25183PE] - An intracellular stain was performed on THP-1 cells with LAMP-1/CD107a antibody (H4A3) NBP2-25183PE (blue) and a matched isotype control NBP2-27287PE (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin.



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#### Products Related to NBP2-25183PE

NBP1-97005PE	Mouse IgG1 Isotype Control (MG1) [PE]
NBP2-61619PEP	LAMP-1/CD107a Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
4320-LM-050	LAMP-1/CD107a

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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