Developmental Studies Hybridoma Bank

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H4A3

Antigen: LAMP-1 (human)
Allow Hybridoma Distribution: No
Antigen Species: Human
Contributor: August, J.T. / Hildreth, J.E.K.
Isotype: MIgG1
Antigen Sequence:
Host Species: mouse
Depositor Institution: The Johns Hopkins University School of Medicine
Positive Tested Species Reactivity:

- Hamster
- Human
- Primate
- Rat

Depositor Notes (Special Instructions): This antibody recognizes a membrane glycoprotein which interacts with selectins.
Antigen Molecular Weight: Predicted: 42 kDa; Apparent: 120 kDa
Human Protein Atlas:
Gene: LAMP1
Immunogen: Adherent spleen cells
Alternate Gene Name(s): CD107a, LGP120, LAMPA
Alternate Name: CD107a
Clonality: Monoclonal
Alternate Antigen Name:
Epitope Mapped: Yes
Myeloma Strain: P3X653-Ag8
Epitope Location or Sequence: Luminal region
Uniprot Id: P11279
Immunogen Sequence:
Entrez Gene ID: 3916
Additional Characterization:
Antibody Registry ID: AB_2296838
Additional Information: For experiments involving live cells and tissue, H4A3 supernatant is available without the antimicrobial ProClin. Contact us at 319-335-3826 or dshb@uiowa.edu for special ordering instructions.
Recommended Applications:

- Immunofluorescence
- Immunohistochemistry
- Western Blot

Product Storage Recommendations:

Although many cell products are maintained at 4°C for years without loss of activity, shelf-life at 4°C is highly variable. For immediate use, short term storage at 4°C up to two weeks is recommended. For long term storage, divide the solution into volumes of no less than 20 ul for freezing at -20°C or -80°C. The small volume aliquot should provide sufficient reagent for short term use. Freeze-thaw cycles should be avoided. For concentrate or bioreactor products, an equal volume of glycerol, a cryoprotectant, may be added prior to freezing.

Usage Recommendations:

Although the optimal Ig concentration for an application varies for each product and must be optimized for each laboratory, a good starting concentration for immunohistochemistry (IHC), immunofluorescence (IF), and immunocytochemistry (ICC) is 2-5 ug/ml. For western blots, the recommended concentration range is 0.2-0.5 ug/ml.

We have been asked by NICHD to ensure that all investigators include an acknowledgment in publications that benefit from the use of the DSHB's products. We suggest that the following statement be used: The (select: hybridoma, monoclonal antibody, or protein capture reagent,) developed by Investigator(s) or Institution] was obtained from the Developmental Studies Hybridoma Bank, created by the NICHD of the NIH and maintained at The University of Iowa, Department of Biology, Iowa City, IA 52242.

Please send copies of all publications resulting from the use of Bank products to:
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