

Prostate Specific Acid Phosphatase (PSAP) Clone PASE/4LJ

Catalog Number	Format	Volume
A00024-0002	(Ready-To-Use)	2 ml
A00024-0007	(Ready-To-Use)	7 ml
A00024-0025	(Ready-To-Use)	25 ml
A00024-C	(Concentrate)	1 ml

Intended Use

For In-Vitro Diagnostic Use. This antibody is intended for the qualitative visualization of the anatomical elements listed in the Specificity section. It is intended to be used within an Immunohistochemistry (IHC) procedure on formalin-fixed paraffin-embedded (FFPE) human tissue followed by visualization by light microscopy.

Description

Titer/Working Dilution: Ready-to-Use: No further dilution required.

Concentrate: Suggested dilution is 1:150-250

Species: Mouse
Immunogen: BALB/C mice were immunized with IL-2 dependent T cell line, CA1.
Clone: UCHL1
Isotype: IgG2a / Kappa
Format: Ready-To-Use antibody has been pre-titered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.

Concentrate antibody is provided in a phosphate buffered saline containing 1% BSA.

Specificity: This antibody reacts with a 180 kD glycoprotein of CD45 family, occurring on most thymocytes and activated T cells but only on the portion of the resting T cells. It reacts with most thymocytes, a subpopulation of resting cells within both the CD4 and CD8 subsets and mature activated T cells. This antibody shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Though this antibody is useful to identify T-cell lymphomas and leukemia, rare staining with B cell lymphomas reported.

Background: The CD45RA and CD45RO isoforms of the leukocyte common antigen identify functionally distinct naive and memory T cell subsets. In vitro, CD45RA+ / CD45RO - peripheral blood lymphocytes (PBL) can be converted to CD45RA- / CD45RO + phenotype upon activation in the presence of IL-2. Both CD3+ and CD3-/CD56+ lymphocyte subsets can be converted to CD45RO + lymphocytes. Expression of CD45RO was observed only in response to IL-2 and was not observed during long-term culture in IL-4, IL-6, or IL-7.

Species Reactivity: Human, Rhesus Monkey. Does not react with Rat. Others not tested.

Positive Control: Tonsil or Lymph Node.

Cellular Localization: Cell membrane.

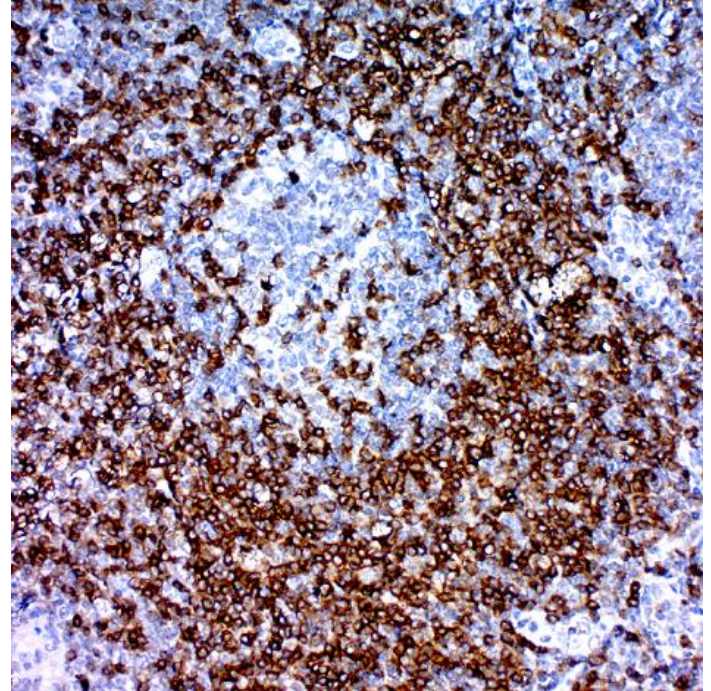
Microbiological State: Nonsterile

Materials and Reagents Required but not Provided

- Control tissue and reagents
- Xylene, graded alcohols, and deionized/distilled water
- Antibody Diluent.

- IHC detection system. Suggested: ScyTek Cat# ABZ125 "CRF Anti-Polyvalent HRP Polymer" and ScyTek Cat# ACV500 "DAB Chromogen/Substrate Kit (High Contrast)".
- Wash buffer for rinses (ScyTek Cat# TBT500)
- HIER Retrieval Solution
- Hematoxylin counterstain and bluing reagent (ScyTek Cat# HMM500 and BRT500)
- Mounting medium and coverslips

Note: ScyTek Laboratories has a wide range of IHC reagents and ancillaries that can be found at scytek.com.



Procedure

1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed paraffin embedded tissue sections is significantly enhanced by pretreatment with Tis-EDTA HIER Solution (10x) pH 9.0 (ScyTek catalog# TES500) or Citrate Plus (10x) HIER Solution (ScyTek catalog# CPL500)


2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.


3. **Visualization:** For maximum staining intensity we recommend the "UltraTek HRP Anti-Polyvalent Lab Pack" (ScyTek catalog# UHP125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Storage and Stability

Do not Freeze. Store at 2-8°C. Return to 2-8° immediately after use. Do not use after expiration date printed on label. Verify visually that antibody has not been contaminated before use. Do not use if reagent becomes cloudy or precipitates.

Limitations

Storage: 2° C  8° C

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Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used. This data sheet's recommendations and procedures were validated using ScyTek IHC reagents and may not be suitable for other detection systems.

Precautions

1. Contains Sodium Azide as a preservative (0.09% w/v), do not ingest. Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.
2. Do not pipette by mouth.
3. Avoid contact of reagents and specimens with skin and mucous membranes.
4. Avoid microbial contamination of reagents or increased nonspecific staining may occur.
5. The user must validate any procedures and recommendations that differ from this data sheet.
6. The SDS may be found at scytek.com


References

1. Greene GL; Nolan C; Engler JP; Jensen EV. Proceedings of the National Academy of Sciences of the United States of America, 1980, 77(9):5115-9.
2. Greene GL; Gilna P; Waterfield M; Baker A; Hort Y; Shine J. Science, 1986, 231(4742):1150-4.
3. Green S; Walter P; Greene G; Krust A; Goffin C; Jensen E; Scrace G; Waterfield M; Chambon P. Journal of Steroid Biochemistry, 1986, 24(1):77-83
4. Green S; Chambon P. Nature, 1986, 324(6098):615-7.
5. Green S; Gronemeyer H; et al. Growth Factors and Oncogenes in Breast Cancer, 1987. Chichester, England, Ellis Horwood Ltd. 7-28.
6. Evans RM. Science, 1988, 240:889-95.
7. Danielson M; Northrop JP; et al. EMBO Journal, 1986, 5:2513-22.
8. Kumar V; Green S; Stack G; Berry M; Jin JR; Chambon P. Cell, 1987, 51(6):941-51.
9. Greene GL; Sobel BN; et al. Molecular Endocrinology, 1988, 2:714-26.
10. Jensen EV; Jacobson HI. Recent Progress in Hormone Research, 1962, 18:387-414.
11. Walter P; Green S; Greene G; Krust A; Bornert JM; Jeltsch JM; Staub A; Jensen E; Scrace G; Waterfield M; et al. Proc Natl Acad Sci U S A, 1985, 82(23):7889-93.

Warranty

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Storage: 2° C  8° C



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