Datasheet for ABIN1112254

anti-CPA1 antibody (APC)

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Overview

Quantity:	100 tests
Target:	CPA1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CPA1 antibody is conjugated to APC
Application:	Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Clone:	CA2
Isotype:	IgG
Characteristics:	Monoclonal Mouse Anti-Human Carboxypeptidase A APC for identification of Carboxypeptidase A. CA2 is a mouse monoclonal antibody specific for mast cell carboxypeptidase.

Target Details

Target:	CPA1
Alternative Name:	CPA (CPA1 Products)

Application Details

Application Notes:	It is recommended for use in flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 20 µl/10^6

Application Details

	cells.
Comment:	Allophycocyanin (APC), Abs/Em: 651/662 nm.
Sample Collection:	1. Pipette 50 µl of sample to be analysed (up to 10^6 cells) into each tube. 2. For each sample, add an appropriate volume of conjugated antibody (20 µl) directed to the cell surface antigen of interest and the appropriate isotype control. Incubate for 15 minutes in the dark at room temperature. (This step is only necessary is you want to perform a direct immunofluorescence staining for a cell surface antigen) 3. Add 100 µL of Intracell Reagent A, (Fixative), to each tube. Mix gently. 4. Incubate for 15 minutes at room temperature. 5. Wash once in 2 ml PBS Working Solution 1X. 6. Centrifuge for 5 minutes at 300 xg, then aspirate supernatant, leaving approximately 50 µl of fluid and vortex to ensure that the cell pellet are in suspension. 7. Add 100 µL of Intracell Reagent B (Permeabilization), to each tube. 8. Add the appropriate volume of CPA APC for the intracellular antigen and the appropriate isotype control. 9. Incubate for 15 minutes in the dark at room temperature. 10. Wash once in 2 ml PBS Working Solution 1X. 11. Centrifuge for 5 minutes at 300 xg, then aspirate supernatant, leaving approximately 50 µl of fluid and vortex to ensure that the cell pellet are in suspension. 12. Resuspend the cell pellet in 0,5 ml of 1% paraformaldehyde solution or an appropriate fluid for flow cytometric use, and store in the dark at 2-8 °C. Fixed cells should be analyzed within 24 hours.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The conjugate is provided in liquid form in buffer containing stabilizer solution, PBS 20 mM and 0,09% Sodium azide, pH 7.2.
Preservative:	Sodium azide
Precaution of Use:	1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of a disease state, and it must not be used in conjunction with patient records or treatment. 2. This product contains Sodium azide (NaN3), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, Sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing. 3. As with any product derived from biological sources, proper handling procedures should be used.
Storage:	4 °C

Publications

Product cited in:

Austin, Trowsdale, Rudd, Bodmer, Feldmann, Lamb: "Functional expression of HLA-DP genes transfected into mouse fibroblasts." in: **Nature**, Vol. 313, Issue 5997, pp. 61-4, (1985) (PubMed).

Royston, Omary, Trowbridge: "Monoclonal antibodies to a human T-cell antigen and Ia-like antigen in the characterization of lymphoid leukemia." in: **Transplantation proceedings**, Vol. 13, Issue 1 Pt 2, pp. 761-6, (1981) (PubMed).

Images

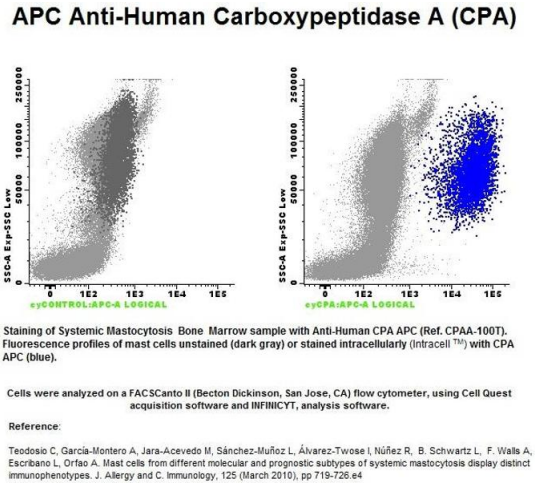

Image 1.