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Datasheet

EPCAM monoclonal antibody, clone VU-1D9 (PE)

Catalog Number: MAB9993

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against EPCAM.

Clone Name: VU-1D9

Immunogen: Small cell lung carcinoma cell line H69.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IF-CTC
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody strongly stains variousnormal epithelial cells and carcinomas.

Form: Liquid

Conjugation: PE

Purification: Size-exclusion chromatography purification

Isotype: IgG1

Recommend Usage: Flow cytometry (20 ul reagent / 100 ul of whole blood or 10^6 cells)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide, 0.2% (w/v) BSA)

Storage Instruction: Store in the dark at 4°C. Avoid prolonged exposure to light. Do not freeze.

Entrez GeneID: 4072

Gene Symbol: EPCAM

Gene Alias: 17-1A, 323/A3, CD326, CO-17A, CO17-1A, EGP, EGP-2, EGP34, EGP40, ESA, Ep-CAM, GA733-2, HEA125, KS1/4, KSA, M4S1, MH99, MIC18, MK-1, MOC31, TACST-1, TACSTD1, TROP1, hEGP-2

Gene Summary: This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq]

References:

1. New Generation of Ensemble-Decision Aliquot Ranking Based on Simplified Microfluidic Components for Large-Capacity Trapping of Circulating Tumor Cells. Zhao M, Nelson WC, Wei B, Schiro PG, Hakimi BM, Johnson ES, Anand RK, Gyurkey GS, White LM, Whiting SH, Coveler AL, Chiu DT Anal Chem. 2013 Oct 15;85(20):9671-7. doi: 10.1021/ac401985r. Epub 2013 Oct 2.