



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No.HT-MAB1

Anti EpCAM

BACKGROUND

EpCAM is an approximately 40 kDa integral membrane glycoprotein that is expressed on the basolateral cell surface in most human simple epithelia. EpCAM functions to mediate Ca²⁺ independent homotypic cell-cell adhesion through interaction of its cytoplasmic tail with the actin cytoskeleton via α -actinin. EpCAM expression has been reported to be a possible marker of early malignancy, with expression being increased in tumor cells.

Product type	Primary antibodies
Host	Mouse
Source	Ascites(purified ascites)
Form	Liquid PBS / 0.05% NaN ₃
Volume	50 μ g
Concentration	3.42 μ g/ μ L
Specificity	Human EpCAM
Antigen	hrEpCAM
Clone	hrk29
Isotype	IgG1

Application notes	Recommended use FACS,WB, ELISA ,IP
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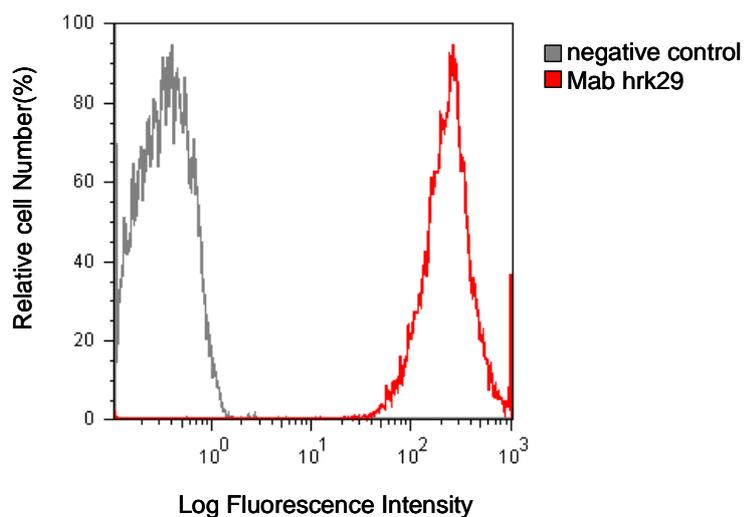
Recommended dilutions Flow cytometry, 1 μ g per 1 x 10 ⁶ cells Western blotting, 1/1,000 to 1/3,000 ELISA, 1/1,000 to 1/5,000 Immunoprecipitation, Use at an assay dependant dilution.
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Optimal dilutions/concentrations should be determined by the end user.

Cross reactivity	Human
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Storage	Store below -20°C (below -70°C for prolonged storage). Aliquot to avoid cycles of freeze/thaw.
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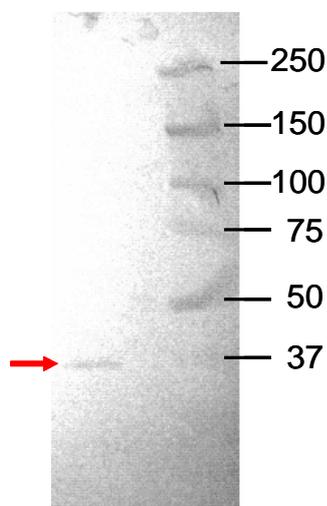
References	
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Surface staining of HT29 cells

Primary antibody: mAb hrk29

Secondary antibody: Goat anti-mouse IgG-PE



Western blotting analysis of HT29 cells lysate

Primary antibody: mAb hrk29 (× 1000)

Secondary antibody: Goat anti-mouse IgG-HRP (× 5000)

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