

Product Datasheet

Anti-EpCAM [HEA125] (orb758884)

Catalog Number	orb758884
Category	Antibodies
Description	Mouse monoclonal antibody to EpCAM
Target	EpCAM
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	This antibody was raised by immunising BALB/c mice with the human colon carcinoma cell line HT-29.
UniProt ID	P16422
Tested applications	FC, IF, IHC, IP, RIA, WB

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Specificity

This antibody is specific for the extracytoplasmic part of human EpCAM, a stable and widely-distributed marker expressed on the surface of many adenocarcinomas. It reacts with carcinomas derived from the colorectum, stomach, pancreas, liver, lung, mammary gland, ovary, thyroid, kidney, urinary bladder and prostate.

Clone Number

HEA125

Storage

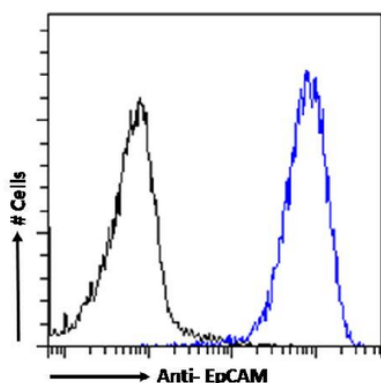
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

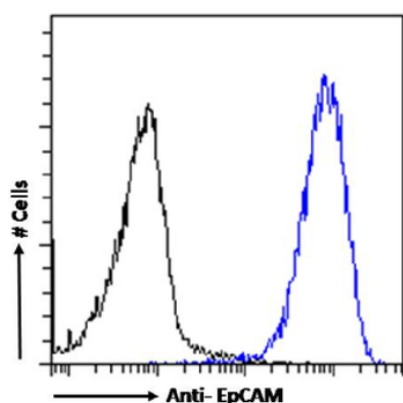
For research use only

Expiration Date

12 months from date of receipt.



Flow cytometry using the Anti-EpCAM antibody HEA125. Caco-2 cells were stained with anti-unknown specificity antibody (orb256449; isotype control, black line) or the mouse IgG1 version of HEA125 (orb758884, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Flow-cytometry using the anti-EpCAM antibody HEA125. Caco-2 cells were stained with anti-unknown IgG antibody (orb256449; isotype control, black line) or the mouse IgG-chimeric version of HEA125 (orb758884, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

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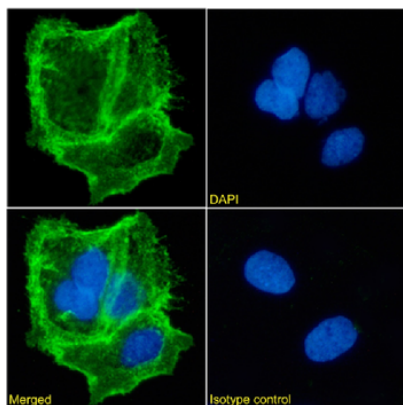
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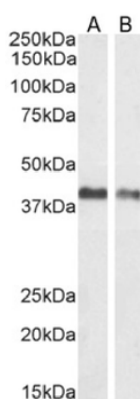
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Immunofluorescence staining of Caco-2 cells using anti-EpCAM HEA125. Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells stained with the chimeric mouse IgG version of HEA125 (orb758884) at 10 µg/ml followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb669758, DAPI, merged channels and an isotype control. The isotype control was stained with anti-unknown antibody (orb256449) followed by Alexa Fluor® 488 secondary antibody.



Western Blot using anti-EpCAM antibody HEA125. human breast carcinoma(A) and human colorectal carcinoma(B) tissue lysate (35 µg protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric mouse IgG version of HEA125 (orb758884) at 1 µg/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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