

## Product Datasheet

### Anti-EpCAM [HEA125] (orb758885)

<b>Catalog Number</b>	orb758885
<b>Category</b>	Antibodies
<b>Description</b>	Rabbit monoclonal antibody to EpCAM
<b>Target</b>	EpCAM
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	PBS with 0.02% Proclin 300.
<b>Purity</b>	Purified
<b>Immunogen</b>	This antibody was raised by immunising BALB/c mice with the human colon carcinoma cell line HT-29.
<b>UniProt ID</b>	<b>P16422</b>
<b>Tested applications</b>	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**

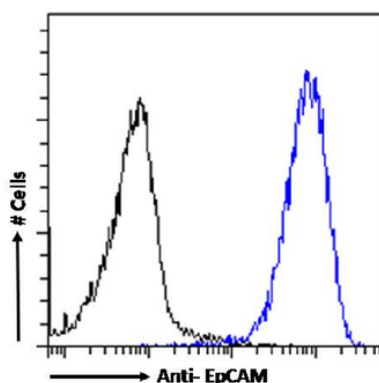
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

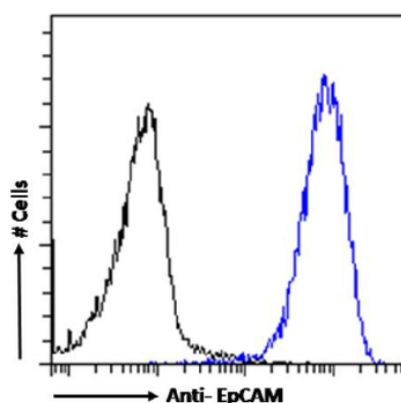
For research use only

**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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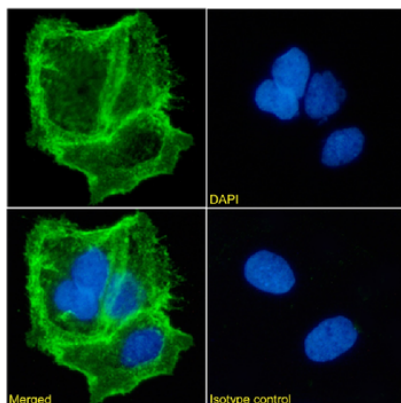
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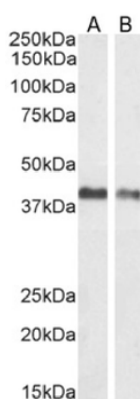
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Immunofluorescence staining of Caco-2 cells using anti-EpCAM HEA125. Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells stained with the chimeric mouse IgG version of HEA125 (orb758884) at 10  $\mu\text{g/ml}$  followed by Alexa Fluor® 488 secondary antibody (2  $\mu\text{g/ml}$ ), 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  $\mu\text{g}$  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  $\mu\text{g/ml}$  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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