

## Product Datasheet

### Anti-CD98 [EP3-1] (orb1152499)

<b>Catalog Number</b>	orb1152499
<b>Category</b>	Antibodies
<b>Description</b>	Rabbit monoclonal antibody to CD98
<b>Target</b>	CD98
<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>	Immunised mice and constructed IgG1 Fab phage display libraries from the spleen cells. CD98-reactive recombinant Fab fragments were retrieved by epitope peptide panning.
<b>UniProt ID</b>	<b>Q01650</b>
<b>Tested applications</b>	IF, IP
<b>Specificity</b>	Shown to bind to epitopes of sequences; LLHGDFHAFSAG-GGGC-NH <sub>2</sub> , LLHGDFH-GGGC-HN <sub>2</sub> , and FHAFSAG-GGGC-NH <sub>2</sub> , but showed no reactivity to live HeLa cells by IF.

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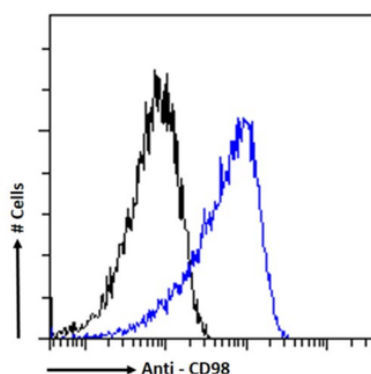
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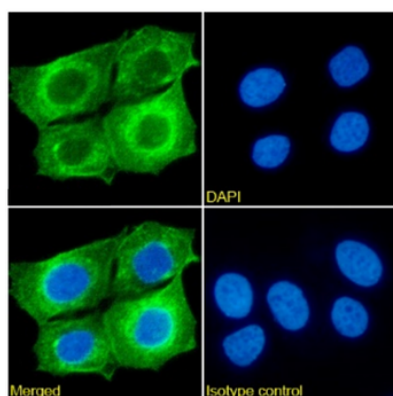
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<b>Clone Number</b>	EP3-1
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Flow cytometry using the Anti-CD98 antibody EP3-1. Paraformaldehyde fixed MCF7 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG version of EP3-1 (orb1152499, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of MCF7 cells with antiCD98 EP3-1. Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells stained with the chimeric rabbit IgG version of EP3-1 (orb1152499) at 10 µg/ml for 1h 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 orb1152499, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256458) followed by staining with Alexa Fluor® 488 secondary antibody.

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