

Product Datasheet

Anti-Cytokeratin 17 [4D2] (orb1906368)

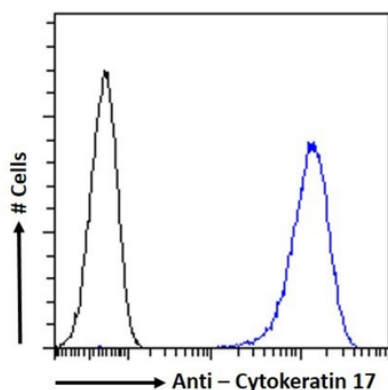
Description	Anti-Cytokeratin 17 [4D2]
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, IHC
Immunogen	The original antibody was generated by immunizing female BALB/c mice with an immunogenic polypeptide containing amino acids 410-432 (TIVEEVQDGKVISSREQVHQTTR) of human cytokeratin 17 conjugated with KLH.
Target	Cytokeratin 17
Preservatives	PBS with 0.02% Proclin 300.
Concentration	1 mg/ml
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
Isotype	IgG
Clonality	Monoclonal
Clone Number	4D2
Uniprot ID	Q04695
Expiration Date	12 months from date of receipt.

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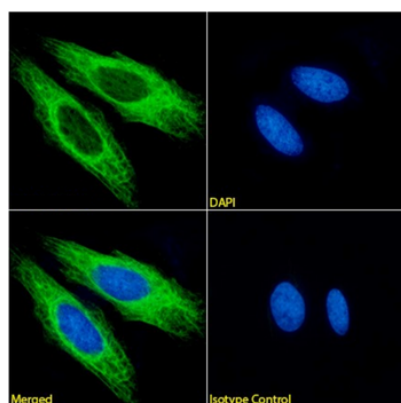
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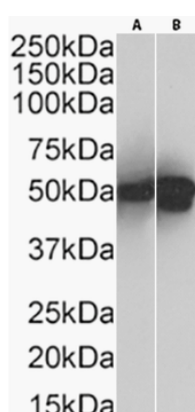
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Flow cytometry using anti-Cytokeratin 17 antibody 4D2. Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with the anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG version of 4D2 (orb1906368, 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 the cells were analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of HeLa cells with anti-Cytokeratin 17 antibody 4D2. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 4D2 (orb1906368) (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, orb1906368, 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.



Western blot using anti-Cytokeratin 17 antibody 4D2. A431 (A) (0.001 µg/ml) and HeLa (B) (0.0001 µg/ml) cells lysate (35 µg protein in RIPA buffer) were resolved on an SDS-PAGE gel, and blots were probed with the chimeric rabbit version of 4D2 (orb1906368) at the mentioned respective concentrations before detection using an anti-rabbit secondary antibody. A primary incubation of 1 hour was used, and protein was detected by chemiluminescence.

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