

## Product Datasheet

### Cytokeratin 19 Antibody (orb43633)

<b>Catalog Number</b>	orb43633
<b>Category</b>	Antibodies
<b>Description</b>	Mouse Monoclonal to Cytokeratin 19.
<b>Target</b>	Cytokeratin 19
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG2a
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Purification</b>	Purified by protein-A affinity chromatography.
<b>Immunogen</b>	MCF-7 human breast adenocarcinoma cell line
<b>UniProt ID</b>	<b>P08727</b>
<b>RRID</b>	AB_10995246
<b>Tested applications</b>	ELISA, FC, ICC, IHC-P, IP, WB
<b>Application notes</b>	Flow cytometry: Recommended dilution: 1-5 µg/ml. Intracellular staining. Immunohistochemistry: Recommended dilution: 5-10 µg/ml. Western blotting: Recommended dilution: 1-2 µg/ml, positive control: MCF-7, BA-17, HT-29 cells.

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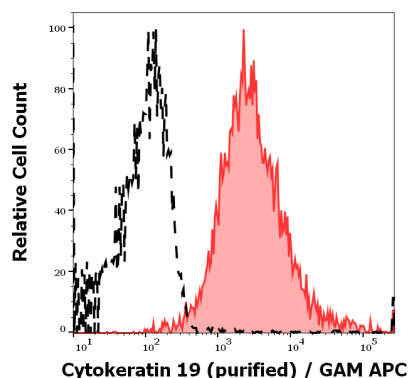
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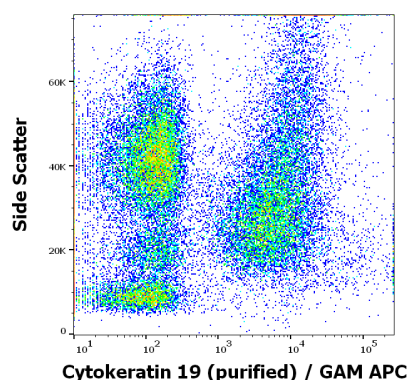
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<b>Specificity</b>	The mouse monoclonal antibody A53-B/A2 recognizes the rod domain of cytokeratin 19 (40 kDa), an intracellular antigen constituting intermediate cytoskeleton filaments. Cytokeratin 19 is not expressed in hepatocytes; it is often co-expressed with cytokeratin 7.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	A53-B/A2
<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>Entrez</b>	<b>3880</b>
<b>Expiration Date</b>	12 months from date of receipt.



Separation of MCF-7 cells (red-filled) from human leukocytes (black-dashed) in flow cytometry analysis (intracellular staining) of peripheral whole blood spiked with MCF-7 cells stained using anti-Cytokeratin 19 (A53-B/A2) purified antibody (concentration in sample 3 µg/ml, GAM APC).



Flow cytometry intracellular staining pattern of human peripheral whole blood spiked with MCF-7 cells stained using anti-Cytokeratin 19 (A53-B/A2) purified antibody (concentration in sample 3 µg/ml, GAM APC).

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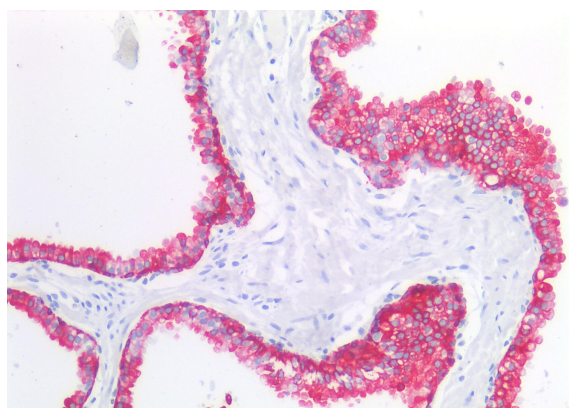
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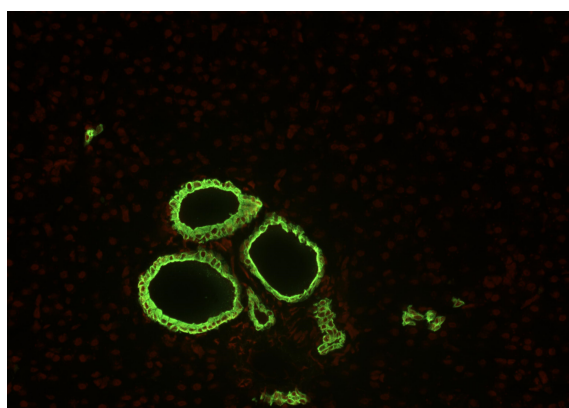
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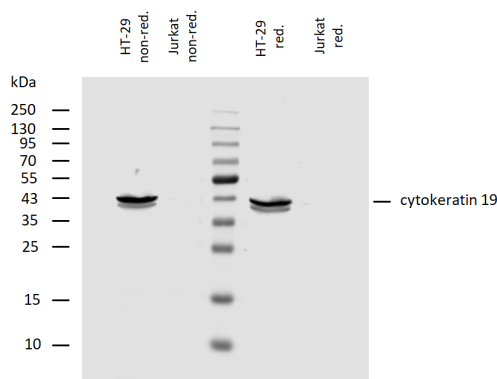
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Immunohistochemistry staining of human prostate (paraffin sections) using anti-cytokeratin 19 (A53-B/A2).



Immunohistochemistry staining (paraffin sections) of cytokерatin 19 in human liver using mouse monoclonal antibody A53-B/A2 (orb43633, diluted 1:100), detected with GAM IgG-Alexa Fluor®488 (diluted 1:200; green), cell nuclei stained with PI (1 µg/ml; orange).



Western blotting analysis of human cytokерatin 19 using mouse monoclonal antibody A53-B/A2 on lysates of HT-29 cell line and Jurkat cell line (cytokерatin non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-cytokeratin 19 monoclonal antibody A53-B/A2 followed by IRDye800-conjugated anti-mouse IgG1 secondary antibody. A specific band was detected for cytokерatin 19 at approximately 40 kDa.

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