

## Product Datasheet

### Cytokeratin 19 Antibody (orb43666)

<b>Catalog Number</b>	orb43666
<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 IgG1 kappa
<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>	Mammary organoids.
<b>UniProt ID</b>	<b>P08727</b>
<b>RRID</b>	AB_10990764
<b>Tested applications</b>	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.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

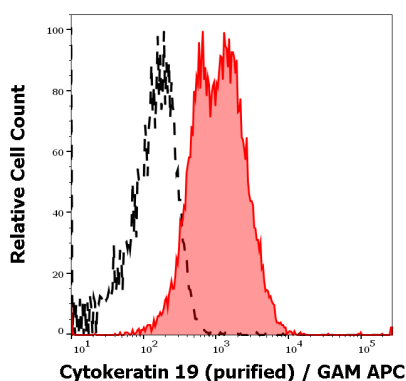
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

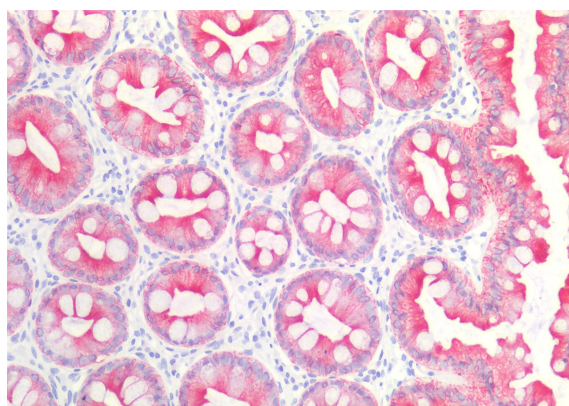
68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

<b>Specificity</b>	The antibody BA-17 reacts with cytokeratin 19 (40 kDa intracellular antigen) in human tissue. 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>	BA-17
<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 (BA-17) purified antibody (concentration in sample 3 µg/ml, GAM APC).



Immunohistochemistry staining of human colon (paraffin sections) using anti-cytokeratin 19 (BA-17).

**Biorbyt Ltd.**

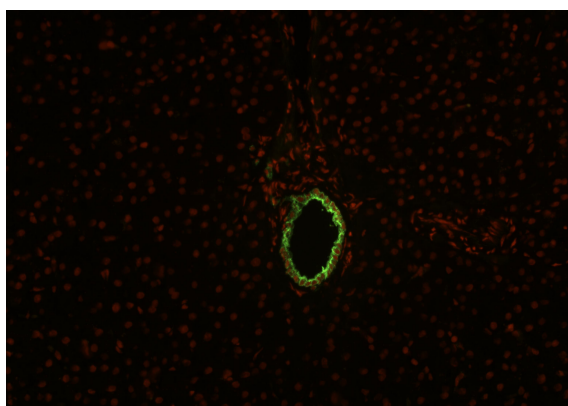
7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

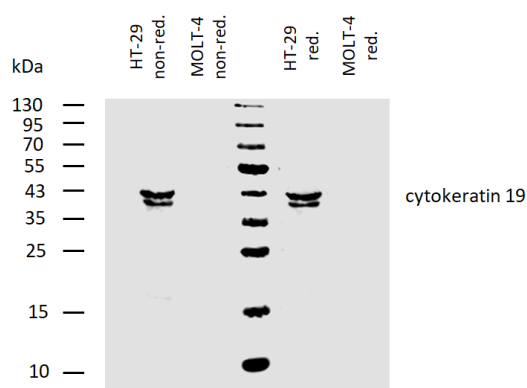
**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558



Immunohistochemistry staining (paraffin sections) of cytokeratin 19 in human liver using mouse monoclonal antibody BA-17 (orb43666, 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 cytokeratin 19 using mouse monoclonal antibody BA-17 on lysates of HT-29 cell line and MOLT-4 cell line (cytokeratin 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 followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for cytokeratin 19 at approximately 41 kDa.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558