

## APC anti-human CD44 variant 5 (CD44v5) Recombinant Antibody

<b>Catalog# / Size</b>	387207 / 25 tests 387208 / 100 tests
<b>Clone</b>	QA20A79
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	CD44 isoform v5, CD44 exon10
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Description</b>	CD44v5, also known as CD44 isoform 5, is a CD44 isoform containing exon10. CD44 is an adhesion molecule involved with multiple functions, including lymphocyte activation, cell-matrix interactions particularly hyaluronic acid, and as a marker of effector memory T-Cells. CD44v5 may be an indicator for tumor presence and progression in certain cancers, such as colon, thymus, breast, and prostate.

### Product Details

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Recombinant
<b>Host Species</b>	Mouse
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 $\mu$ L per million cells in 100 $\mu$ L staining volume or 5 $\mu$ L per 100 $\mu$ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>RRID</b>	AB_3683433 (BioLegend Cat. No. 387207) AB_3683433 (BioLegend Cat. No. 387208)

### Antigen Details

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<b>Structure</b>	Glycoprotein
<b>Distribution</b>	Epithelial cancers, subset of lymphocytes, subset of monocytes
<b>Cell Type</b>	Epithelial cells, Lymphocytes, Thymocytes
<b>Biology Area</b>	Cancer Biomarkers, Cell Adhesion
<b>Molecular Family</b>	Adhesion Molecules

## Antigen References

1. Barclay AN, *et al.* 1997. The Leukocyte Antigen FactsBook Academic Press.
2. Haynes BF, *et al.* 1991. *Cancer Cells*. 3:347-50.
3. Naor D, *et al.* 1997. *Adv Cancer Res*. 71:241-319.
4. Lee S, *et al.* 2003. *Ann of Thorac Surg*. 76:213-8.

Gene ID [960](#)

## Related Protocols

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- [Cell Surface Flow Cytometry Staining Protocol](#)

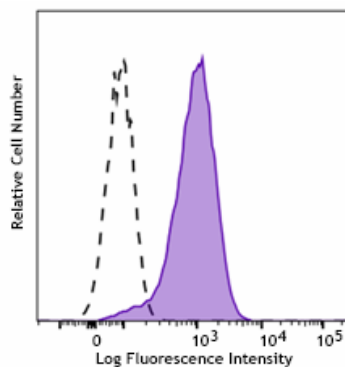
## Other Formats

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Purified anti-human CD44 variant 5 (CD44v5) Recombinant Antibody, PE anti-human CD44 variant 5 (CD44v5) Recombinant Antibody, APC anti-human CD44 variant 5 (CD44v5) Recombinant Antibody

## Product Data

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Human prostate cancer cell line, PC-3, cells were stained with anti-human CD44 variant 5 (CD44v5) recombinant (clone QA20A79) APC (filled histogram) or mouse IgG1,  $\kappa$  APC isotype control (open histogram).

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