

**DATASHEET**

**CD44v6 Mouse Monoclonal Antibody(ARA950)**

**CAT. NO. ARA6791**

**KEY FEATURES**

Target	CD44v6	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	IHC	Storage	-20°C

**BACKGROUND**

The protein expressed by gene CD44 functions as a cell-surface receptor involved in cell-cell interactions, cell adhesion, and migration, allowing cells to detect and react to changes in their tissue microenvironment. It is implicated in numerous cellular processes, including the activation, recirculation, and homing of T-lymphocytes, hematopoiesis, inflammation, and the response to bacterial infection. Through its ectodomain, CD44 interacts with extracellular matrix components like hyaluronan, collagen, growth factors, cytokines, and proteases, serving as a platform for signal transduction by forming protein complexes with receptor kinases and membrane proteases via its cytoplasmic domain. Effectors such as PKN2, the RhoGTPases RAC1 and RHOA, Rho-kinases, and phospholipase C coordinate signaling pathways that promote calcium mobilization and actin-mediated cytoskeleton reorganization crucial for cell migration and adhesion. This supplementary information is collated from multiple sources and compiled automatically.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:200-1:1000
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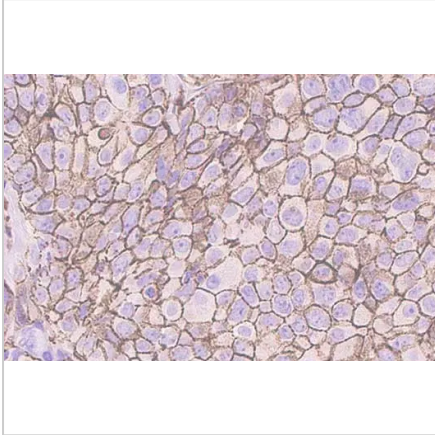
\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

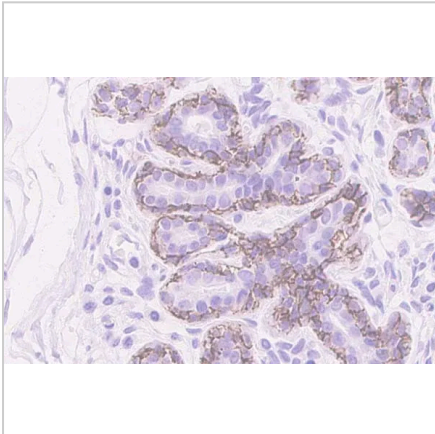
Isotype	IgG1
Carrier-Free	No
Immunogen	The exact immunogen used to generate this antibody is proprietary information.

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

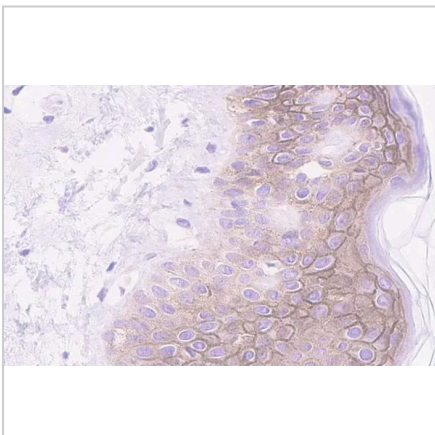
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET****CD44v6 Mouse Monoclonal Antibody(ARA950)****CAT. NO. ARA6791****DATA**

Immunohistochemical staining of human breast carcinoma tissue using CD44v6 Mouse Monoclonal Antibody(ARA950)



Immunohistochemical staining of human breast tissue using CD44v6 Mouse Monoclonal Antibody(ARA950)



Immunohistochemical staining of human skin tissue using CD44v6 Mouse Monoclonal Antibody(ARA950)

**STORAGE**

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com](http://www.arexbio.com)