

## DATASHEET

# CD44 Rabbit Monoclonal Antibody (ARM950)

CAT. NO. ARM6740

### KEY FEATURES

Target	CD44	Clone ID	ARM950
Source / Host	Rabbit	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

### BACKGROUND

Cluster of Differentiation 44 (CD44) is a glycoprotein receptor for hyaluronic acid that plays a fundamental role in cellular adhesion, stromal binding, migration, and cell-cell interactions. Positive staining with Anti-CD44 is implicated in a multitude of different cancer types, including breast, prostatic, renal cell, colonic, hepatocellular, and genitourinary carcinomas, as well as non-Hodgkin's Lymphoma, metastatic melanoma, gastric cancer, and some soft tissue tumours. It has also been demonstrated that there is a positive correlation between tumour progression and increased expression of CD44v, a high molecular weight CD44 isoform that has been described in epithelial cells. Given the expression of CD44 in a wide range of cancers, the most practical application of CD44 immunostaining is its use in discriminating between urothelial transitional cell carcinoma in situ from non-neoplastic changes in the urothelium.

### APPLICATION

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

Application	IHC
Dilution Ratio	1:100-1:200

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

### PRODUCT OVERVIEW

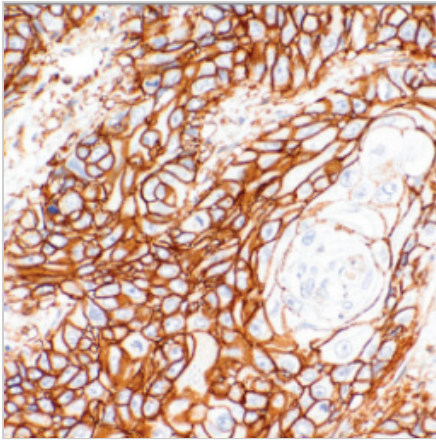
Antibody Type	Primary antibodies
Isotype	IgG
Positive Control	Benign Urothelium, Esophagus
Localization	Membranous
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	CD44
Entrez Gene ID	960
Uniprot	P16070
Alternative Names	LHR; MDU2; MDU3; MIC4; CD44 antigen; CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; PGP-1; Phagocytic glycoprotein I; PGP-I; CD44

\*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****CD44 Rabbit Monoclonal Antibody (ARM950)****CAT. NO. ARM6740****| STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**| DATA**

Immunohistochemical staining of human esophagus tissue using CD44 Rabbit Monoclonal Antibody (ARM950).

**| RESEARCH USE ONLY**

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

More information: [www.arexbio.com / cd44-mouse-monoclonal-antibody-arm950-arm6740](http://www.arexbio.com/cd44-mouse-monoclonal-antibody-arm950-arm6740)