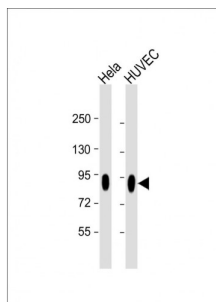
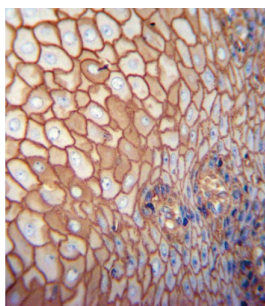


## CD44 Antigen (CD44) Antibody

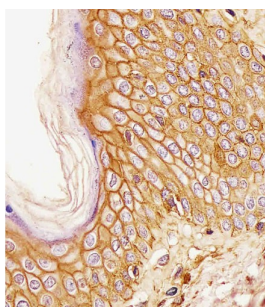
Catalogue No.: abx025270



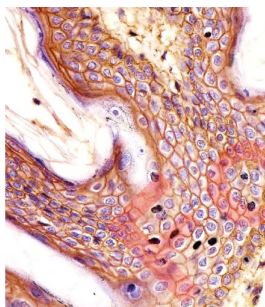
WB analysis of extracts of HeLa and HUVEC whole cell lysates using anti-CD44 antibody (1/2000 dilution) with a Goat anti-Mouse IgG H&L antibody conjugated to peroxidase (1/10000 dilution). Calculated MW: 82 kDa.



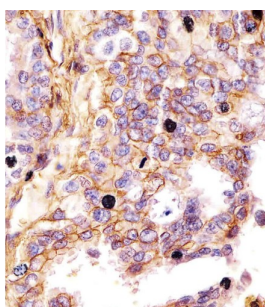
IHC-P analysis of Human esophagus carcinoma tissue using CD44 antibody and a secondary antibody conjugated to peroxidase.



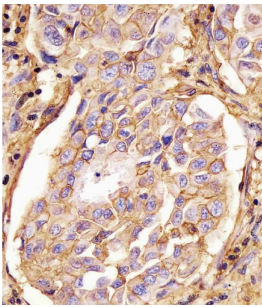
IHC-P analysis of Human skin tissue using CD44 antibody (1/25 dilution) with a secondary Goat polyvalent antibody conjugated to Biotin.



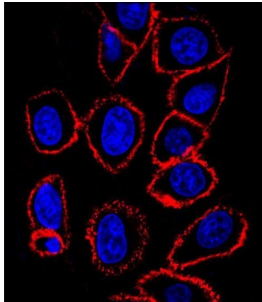
IHC-P analysis of Human skin tissue using CD44 antibody (1/25 dilution) with a secondary Goat polyvalent antibody conjugated to Biotin.



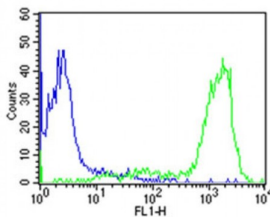
IHC-P analysis of Human lung adenocarcinoma tissue using CD44 antibody (1/25 dilution) with a secondary Goat polyvalent antibody conjugated to Biotin.



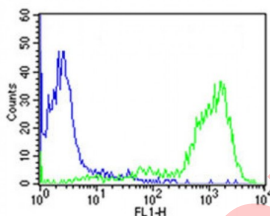
IHC-P analysis of Human lung adenocarcinoma tissue using CD44 antibody (1/25 dilution) with a secondary Goat polyvalent antibody conjugated to Biotin.



IF analysis of HeLa cells using CD44 antibody (0.01 mg/ml dilution) with a Goat anti-Mouse IgG antibody conjugated to PE (Red). Blue DAPI was used as a nuclear stain.



Flow cytometry analysis of Human peripheral blood lymphocytes using CD44 antibody (1/50 dilution, green line). The secondary antibody used was Goat Anti-Mouse IgG (1/200 dilution, blue line).



Flow cytometry analysis of Human peripheral blood lymphocytes using CD44 antibody (1/50 dilution, green line). The secondary antibody used was Goat Anti-Mouse IgG (1/200 dilution, blue line).

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

**Target:** CD44 Antigen (CD44)

**Clonality:** Monoclonal

# Datasheet

Version: 7.0.0

Revision date: 29 Apr 2025



<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB, IHC, IF/ICC, FCM
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	WB: 1/2000, IHC-P: 1/25, IF/ICC: 1/10 - 1/50, FCM: 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Human Peyer's Patch endothelial cells (CD44).
<b>Isotype:</b>	IgG <sub>2a</sub> Kappa
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified through a protein G column, followed by dialysis against PBS.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P16070 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	CD44
<b>GeneID:</b>	<a href="#">960</a>
<b>Buffer:</b>	PBS containing 0.09% sodium azide.
<b>Concentration:</b>	0.42 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.