

## CD44 antibody

Cat. No. GTX102111

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application	WB, ICC/IF, IHC-P, IHC-Fr, IP, LCI
Reactivity	Human, Mouse, Rat, Rabbit

Reference ( 42 )

★★★★★ Review ( 2 )

Package

100 µl, 25 µl

## PRODUCT

## Summary

CD44 is an 82kDa multifunctional transmembrane glycoprotein involved in cell migration, proliferation, differentiation, and signaling pathways that mediate cell survival. It is involved in many malignancies as well as being recognized as a cancer stem cell marker. Importantly, it is expressed in leukocytes and is a marker of leukemia-initiating cells, being found to be critical in the pathogenesis of T cell acute lymphoblastic leukemia.

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
IP	Assay dependent
LCI	Assay dependent

Not tested in other applications.

**Calculated MW** 82 kDa. ( [Note](#) )

**Product Note** IP/MS validation was supported by references (PMID:30377381)

## PROPERTIES

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration.)

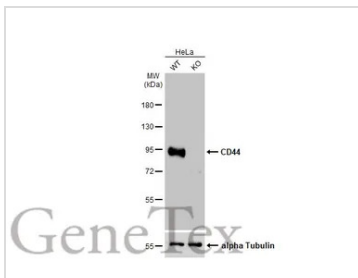


For full product information, images and publications, please visit our [website](#).

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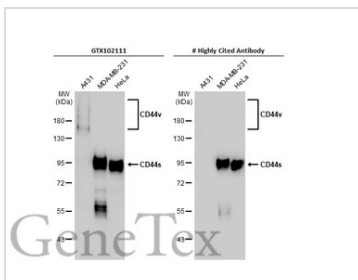
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the Extracellular domain of human CD44. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.  Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



### GTx102111 WB Image

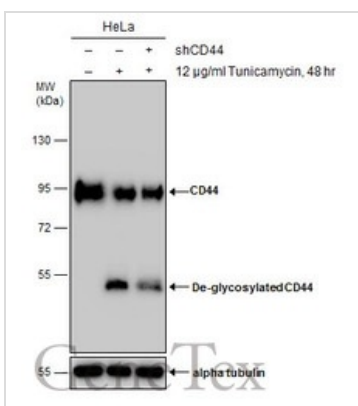
Non-transfected (–) and transfected (+) Wild-type (WT) and G CD44 knockout (KO) HeLa cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with CD44 antibody (GTx102111) diluted at 1:7000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



### GTx102111 WB Image

Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membranes were blotted with CD44 antibody (GTx102111) diluted at 1:5000 and competitor's antibody (# Highly Cited Antibody) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.

\*The competitor is not affiliated with GeneTex and does not endorse this product.



### GTx102111 WB Image

Untreated (–) and treated (+) HeLa whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with CD44 antibody (GTx102111) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.  
The observed M.W. is different from the predicted size. It is possibly due to post-translational modifications.

Reference: [PMID: 10050880](https://pubmed.ncbi.nlm.nih.gov/10050880/)



For full product information, images and publications, please visit our [website](https://www.genetex.com).