

CD44 antibody

Cat. No. GTX102111

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

References (48)

★★★★☆ 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.

Applications

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 is based on published data (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.)

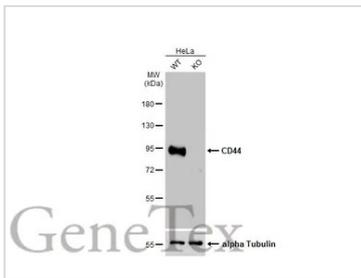


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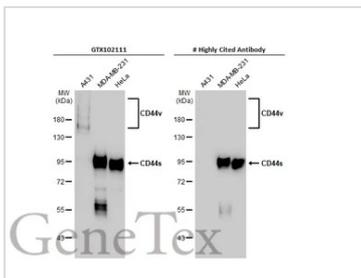
Immunogen	Recombinant protein encompassing a sequence within the Extracellular domain of human CD44. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic 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

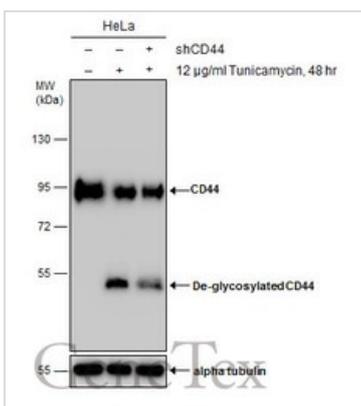
Non-transfected (-) and transfected (+) Wild-type (WT) and G CD44 knockout (KO) HeLa cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with CD44 antibody (GTX102111) diluted at 1:7000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the 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/)



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