

Product Datasheet

CD44 antibody GRP25

Description

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. [provided by RefSeq]

Species/Host

Rabbit

Reactivity

Human, Mouse, Rat, Rabbit

Conjugation

Unconjugated

Tested Applications

ICC, IF, IHC-Fr, IHC-P, IP, WB

Immunogen

Recombinant protein encompassing a sequence within the center region of human CD44. The exact sequence is proprietary.

Form/Appearance

Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.

Concentration

0.64 mg/ml

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.

Note

For research use only.

Isotype

IgG

Clonality

Polyclonal

Purity

Purified by antigen-affinity chromatography.

Uniprot ID

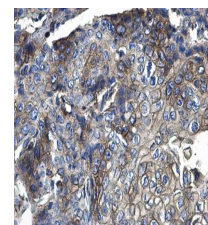
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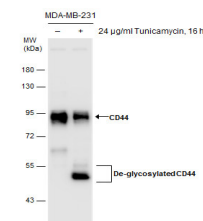
960

Dilution Range

WB: 1:1000-1:20000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000



CD44 antibody detects CD44 protein at membrane and cytoplasm on human endometrial carcinoma by immunohistochemical analysis.
Sample: Paraffin-embedded human endometrial carcinoma.
CD44 antibody (GRP477) diluted at 1:500.



Untreated (â€“) and treated (+) MDA-MB-231 whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with CD44 antibody (GRP477) diluted at 1:7000. The