**German Research Products - GRP GmbH** 

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## **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 cente

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

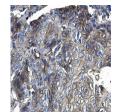
**Clonality** Polyclonal

**Purity** Purified by antigen-affinity chromatography.

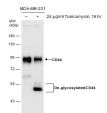
Uniprot ID P16070

Entrez 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 ?g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with CD44 antibody (GRP477)