

## Recombinant CD44 Monoclonal Antibody

catalog number: **AN300928L**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

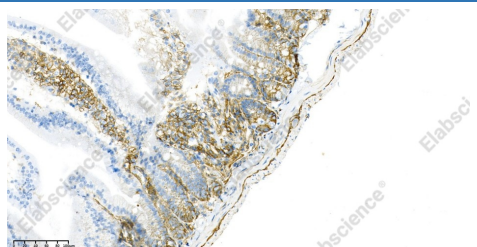
|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse;Rat                                                 |
| <b>Immunogen</b>    | Recombinant Human CD44 protein                                  |
| <b>Host</b>         | Rabbit                                                          |
| <b>Isotype</b>      | Rabbit IgG                                                      |
| <b>Clone</b>        | C110552                                                         |
| <b>Purification</b> | Protein A                                                       |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

### Recommended Dilution

|              |                 |
|--------------|-----------------|
| <b>IHC</b>   | 1:20000-1:50000 |
| <b>WB</b>    | 1:1000-1:5000   |
| <b>IF</b>    | 1:200-1:1000    |
| <b>ELISA</b> | 1:5000-1:20000  |
| <b>IP</b>    | 1:50-1:200      |

### Data



Immunohistochemistry of paraffin-embedded mouse ileum using Recombinant CD44 Monoclonal Antibody at dilution of 1:20000-1:50000.

### Preparation & Storage

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                         |

### Background

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.

### For Research Use Only

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Rev. V1.4