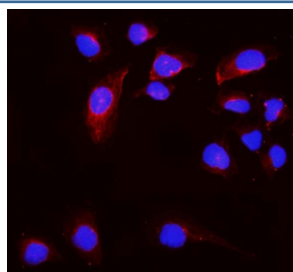


## HMMR Antibody / CD168 (RQ5628)

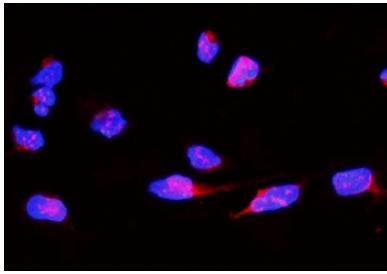
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ5628      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

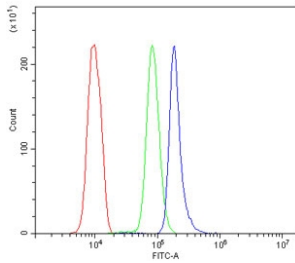
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Antigen affinity purified   |
| <b>Host</b>               | Rabbit  |
| <b>Clonality</b>          | Polyclonal  |
| <b>Isotype</b>            | Rabbit IgG  |
| <b>Purity</b>             | Affinity purified   |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide   |
| <b>UniProt</b>            | O75330  |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Immunofluorescence : 2-4ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This HMMR antibody is available for research use only.  |



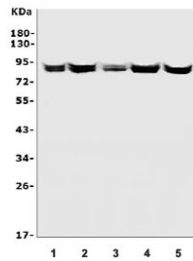
Immunofluorescent staining of FFPE human U-2 OS cells with HMMR antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Immunofluorescent staining of FFPE human U-2 OS cells with HMMR antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of fixed and permeabilized human U937 cells with HMMR antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HMMR antibody.



Western blot testing of human 1) HeLa, 2) Jurkat, 3) SW620, 4) T-47D and 5) Raji lysate with HMMR antibody. Expected molecular weight ~72 kDa (cell surface form) and 85-95 kDa (intracellular form).

## Description

Hyaluronan-mediated motility receptor (HMMR), also known as RHAMM (Receptor for Hyaluronan Mediated Motility) is a protein which in humans is encoded by the HMMR gene. It is mapped to 5q34. The protein encoded by this gene is involved in cell motility. It is expressed in breast tissue and together with other proteins, it forms a complex with BRCA1 and BRCA2, thus is potentially associated with higher risk of breast cancer. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

## Application Notes

Optimal dilution of the HMMR antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids K5-D686) was used as the immunogen for the HMMR antibody.

## Storage

After reconstitution, the HMMR antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

