

**CD168 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2068a****Specification****CD168 Antibody - Product Information**

Application	E, WB, FC
Primary Accession	<a href="#">O75330</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	84.1kDa KDa

**Description**

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.

**Immunogen**

Purified recombinant fragment of human CD168 (AA: 306-497 ) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CD168 Antibody - Additional Information**

**Gene ID** 3161

**Other Names**

Hyaluronan mediated motility receptor, Intracellular hyaluronic acid-binding protein, Receptor for hyaluronan-mediated motility, CD168, HMMR, IHABP, RHAMM

**Dilution**

E~~1/10000

WB~~1/500 - 1/2000

FC~~1/200 - 1/400

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CD168 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CD168 Antibody - Protein Information**

**Name** HMMR

**Synonyms** IHABP, RHAMM

**Function**

Receptor for hyaluronic acid (HA) (By similarity). Involved in cell motility (By similarity). When hyaluronan binds to HMMR, the phosphorylation of a number of proteins, including PTK2/FAK1 occurs. May also be involved in cellular transformation and metastasis formation, and in regulating extracellular-regulated kinase (ERK) activity. May act as a regulator of adipogenesis (By similarity).

**Cellular Location**

Cell surface {ECO:0000250|UniProtKB:Q00547}. Cytoplasm. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:Q00547}

**Tissue Location**

Expressed in testis (PubMed:22965910). Expressed in the breast (PubMed:8890751).

**CD168 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)