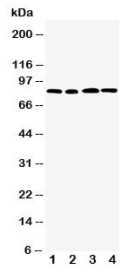
CD168 Antibody / HMMR (R30670)

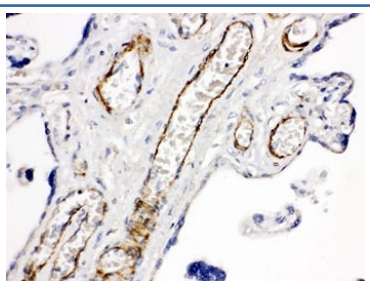
Catalog No.	Formulation	Size
R30670	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O75330
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This CD168 antibody is available for research use only.



Western blot testing of CD168 antibody and Lane 1: MM231; 2: MM453; 3: HeLa; 4: A549 cell lysate. Expected molecular weight ~72 kDa (cell surface form) and 85-95 kDa (intracellular form).



IHC-P: CD168 antibody testing of human placenta tissue

Description

CD168, or HMMR (Hyaluronan-mediated motility receptor), is a protein which in humans is encoded by the HMMR gene. RHAMM was originally discovered as a soluble protein that altered migratory cell behavior and bound to hyaluronan, HMMR is less well studied than the main hyaluronan (HA) receptor, CD44. In contrast to CD44 and other cell-surface receptors which contain the classical membrane spanning domain and signal sequence for secretion from the endoplasmic reticulum/Golgi complex, CD168 does not contain a membrane spanning domain nor does the mRNA transcript contain a signal sequence. It normally is localized inside the cell and is only release by certain, poorly defined stimuli. The transport of CD168 to the extracellular space still is unclear but may involve transport channels or proteins, flippase activity, or exocytosis. Intracellularly, it associates with microtubules and, working with BRCA1 and BARD1, plays a role in the regulation of mitosis. Extracellularly, it associates with CD44, and upon binding to HA, activates intracellular signaling pathways.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD168 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human CD168 (KEGNTNCYRAPMECQESWK) was used as the immunogen for this CD168 antibody.

Storage

After reconstitution, the CD168 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.