



## Rabbit Anti-CD168 antibody

SL4736R

<b>Product Name:</b>	CD168
<b>Chinese Name:</b>	透明质酸介导细胞游走受体抗体
<b>Alias:</b>	CD168 antigen; HMMR; HMMR_HUMAN; Hyaluronan mediated motility receptor; Hyaluronan-mediated motility receptor (RHAMM); IHABP; Intracellular hyaluronic acid-binding protein; Intracellular hyaluronic acid-binding protein; MGC119494; MGC119495; Receptor for hyaluronan-mediated motility; RHAMM; Hyaluronan mediated motility receptor.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	84kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membraneExtracellular matrix
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CD168/RHAMM:51-150/725
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Hyaluronic acid (HA) is a nonsulfated glycosaminoglycan that regulates cell adhesion and migration. HA effects are mediated through two receptors, CD44 (also designated HCAM) and the receptor of hyaluronic acid mediated motility (RHAMM). RHAMM,

also designated intracellular hyaluronic acid binding protein (IHABP) and CD168, is a matrix receptor, which is linked to the plasma membrane by a GPI anchor and regulates cell motility. RHAMM expression is upregulated in malignant lymphoid tissues and is subsequently implicated in tumor progression and metastasis formation, as well as signal transduction. Although still unclear, RHAMM is thought to exist as several isoforms ranging in size. A variant isoform, designated v4, is a protein that when over-expressed, is thought to be the cause of transformation and metastasis formation in fibroblasts.

**Function:**

Involved in cell motility. When hyaluronan binds to HMMR, the phosphorylation of a number of proteins, including the focal adhesion kinase occurs. May also be involved in cellular transformation and metastasis formation, and in regulating extracellular-regulated kinase (ERK) activity.

**Subcellular Location:**

Cell surface. Cytoplasm.

**Tissue Specificity:**

Expressed in breast cancer cell lines and in normal breast tissue.

**SWISS:**

O75330

**Gene ID:**

3161

**Database links:**

[Entrez Gene: 3161](#) Human

[Omim: 600936](#) Human

[SwissProt: O75330](#) Human

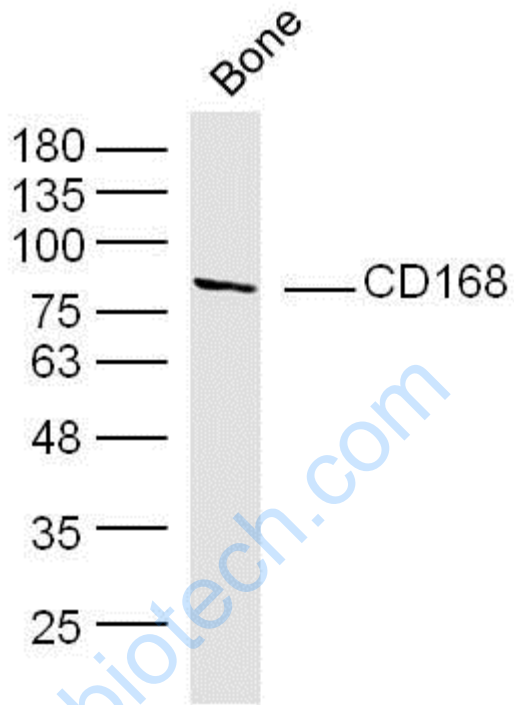
[Unigene: 728200](#) Human

[Unigene: 740467](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



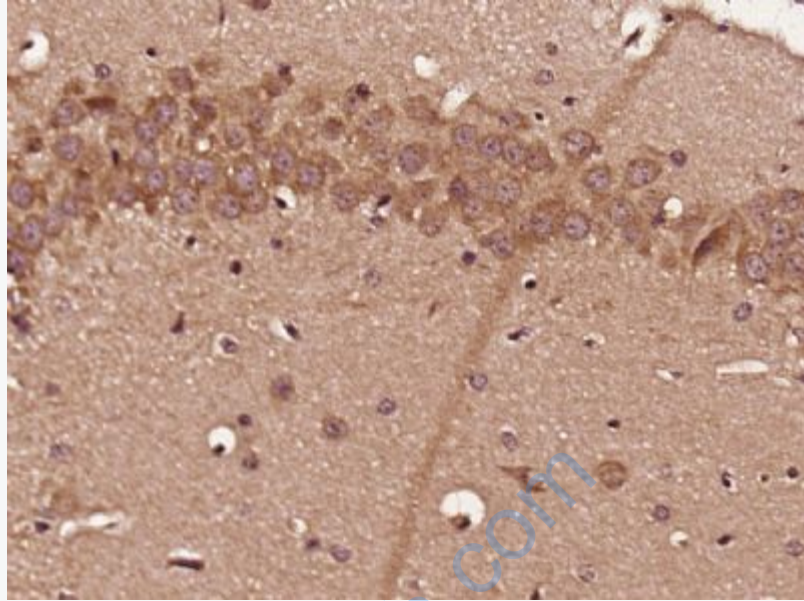
Sample: Bone (Mouse) Lysate at 40 ug

Primary: Anti-CD168 (SL4736R) at 1/300 dilution

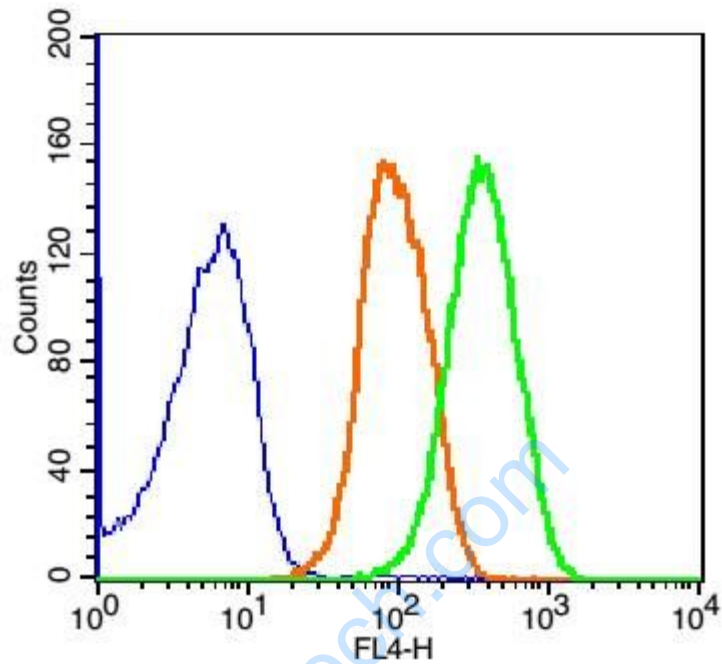
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 84 kD

Observed band size: 84 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD168) Polyclonal Antibody, Unconjugated (SL4736R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control(blue):MCF 7 Cells(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice).

Primary Antibody: Rabbit Anti- CD168/AF647 Conjugated antibody (SL4736R),  
Dilution: 5 $\mu$ g in 100  $\mu$ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG/AF647(orange) ,used under the same conditions.