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**Product Name: CSPG4 Mouse Monoclonal Antibody****Catalog #: AMM81217**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	250.0kDa

**Antigen Information**

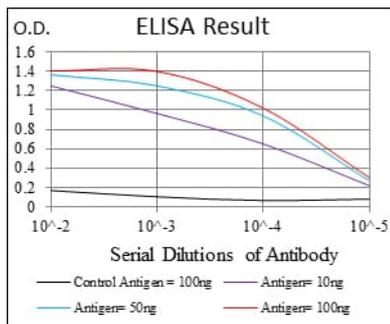
<b>Gene Name</b>	CSPG4
<b>Alternative Names</b>	NG2; MCSP; MCSPG; MSK16; HMW-MAA; MEL-CSPG
<b>Gene ID</b>	1464.0
<b>SwissProt ID</b>	Q6UVK1
<b>Immunogen</b>	Purified recombinant fragment of human CSPG4 (AA: 2247-2308) expressed in E. Coli.

**Background**

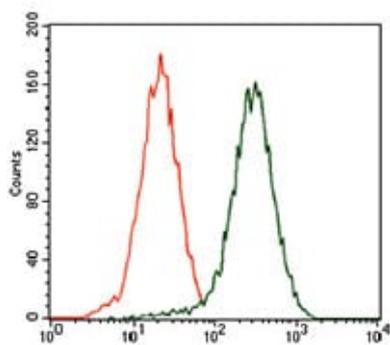
A human melanoma-associated chondroitin sulfate proteoglycan plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. CSPG4 represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells.

## Research Area

## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Flow cytometric analysis of HEK293 cells using CSPG4 mouse mAb (green) and negative control (red).