

---

**Product Name: CD339 Mouse Monoclonal Antibody****Catalog #: AMM82158**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,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>	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	133.8kDa

**Antigen Information**

<b>Gene Name</b>	CD339
<b>Alternative Names</b>	JAG1; AGS; AHD; AWS; HJ1; AGS1; JAGL1
<b>Gene ID</b>	182.0
<b>SwissProt ID</b>	P78504
<b>Immunogen</b>	Purified recombinant fragment of human CD339 (AA: extra 47-212) expressed in E. Coli.

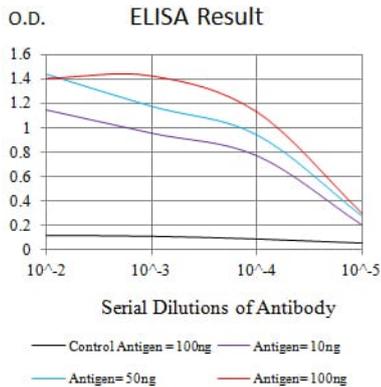
**Background**

The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophila jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis.

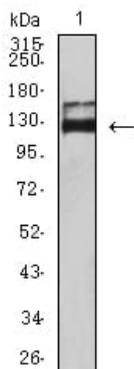
## Research Area

Notch signaling pathway

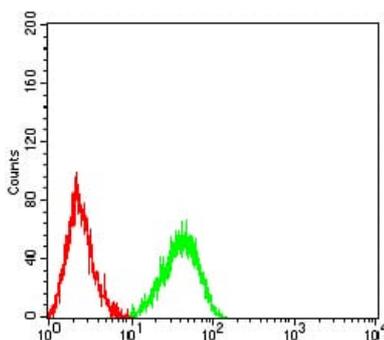
## Image Data



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



Western blot analysis using CD339 mouse mAb against Hela (1) cell lysate.



Flow cytometric analysis of HL-60 cells using CD339 mouse mAb (green) and negative control (red).