

**Product Name: CD172G Mouse Monoclonal Antibody****Catalog #: AMM82203**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	ICC,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>	ICC 1:100-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	42.5kDa

**Antigen Information**

<b>Gene Name</b>	CD172G
<b>Alternative Names</b>	SIRPG; SIRPB2; SIRP-B2; bA77C3.1; SIRPgamma
<b>Gene ID</b>	55423.0
<b>SwissProt ID</b>	Q9P1W8
<b>Immunogen</b>	Purified recombinant fragment of human CD172G (AA: extra 29-360) expressed in E. Coli.

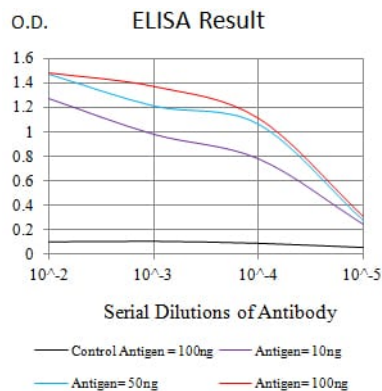
**Background**

The protein encoded by this gene is a member of the signal-regulatory protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. Alternatively spliced transcript variants

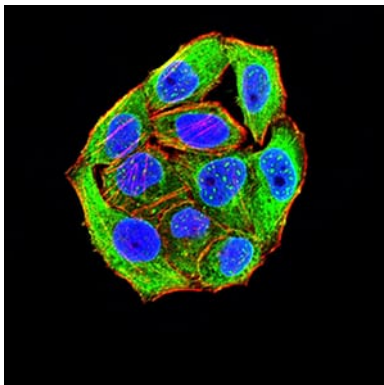
encoding different isoforms have been described.

## Research Area

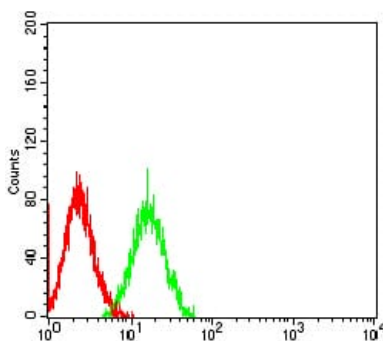
## Image Data



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



Immunofluorescence analysis of HeLa cells using CD172G mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HL-60 cells using CD172G mouse mAb (green) and negative control (red).