Product Name: **MR1 Mouse Monoclonal Antibody**
Catalog #: **AMM82676**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	39.4kda

Antigen Information

Gene Name	MR1
Alternative Names	HLALS
Gene ID	3140.0
SwissProt ID	Q95460
Immunogen	Purified recombinant fragment of human MR1 (AA: extra(23-302)) expressed in E. Coli.

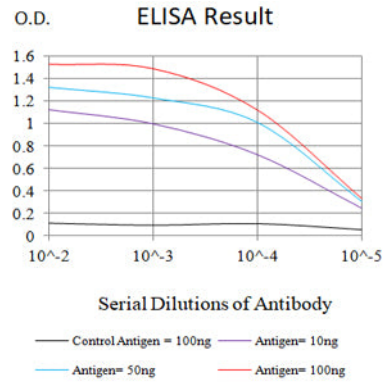
Background

MAIT (mucosal-associated invariant T-cells) lymphocytes represent a small population of T-cells primarily found in the gut. The protein encoded by this gene is an antigen-presenting molecule that presents metabolites of microbial vitamin B to MAITs. This presentation may activate the MAITs to regulate the amounts of specific types of bacteria in the gut. Several transcript variants

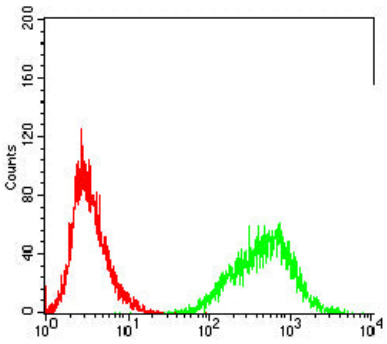
encoding different isoforms have been found for this gene, and a pseudogene of it has been detected about 36 kbp upstream on the same chromosome.

Research Area

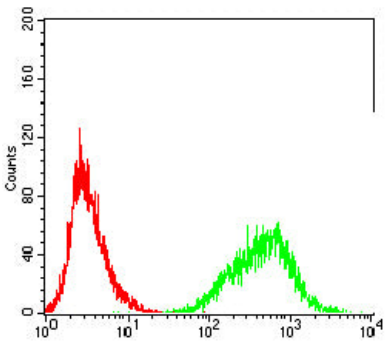
Image Data



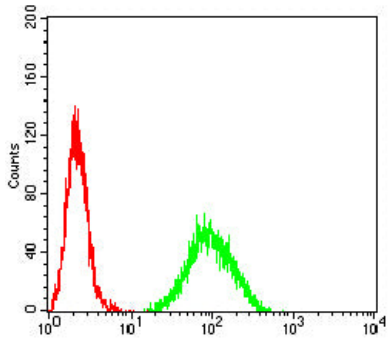
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



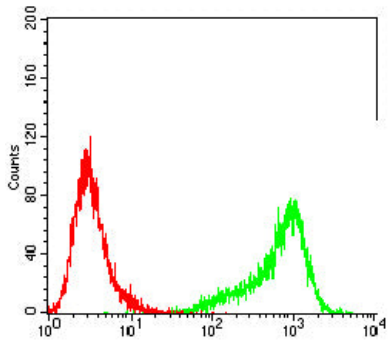
Flow cytometric analysis of Jurkat cells using MR1 mouse mAb (green) and negative control (red).



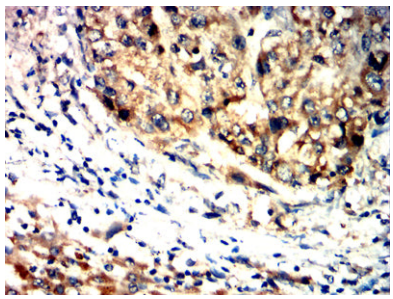
Flow cytometric analysis of K562 cells using MR1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using MR1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of U937 cells using MR1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using MR1 mouse mAb with DAB staining.