

CD158E1
Purified Mouse Monoclonal Antibody
Catalog # AO2690a**Specification**

CD158E1 - Product Information

Application	E, WB, FCM
Primary Accession	P43629
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	49kDa kDa
Immunogen	

Purified recombinant fragment of human CD158E1 (AA: extra 206-340) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

CD158E1 - Additional Information

Gene ID 3811

Other Names

KIR3DL1; KIR; NKB1; NKAT3; NKB1B; NKAT-3; KIR3DL1/S1

Dilution

E~~ 1/10000
WB~~ 1/500 - 1/2000
FCM~~1/200 - 1/400

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CD158E1 is for research use only and not for use in diagnostic or therapeutic procedures.

CD158E1 - Protein Information

Name KIR3DL1 ([HGNC:6338](#))

Synonyms CD158E, NKAT3, NKB1

Function

Receptor on natural killer (NK) cells for HLA Bw4 allele. Inhibits the activity of NK cells thus preventing cell lysis.

Cellular Location

Cell membrane; Single-pass type I membrane protein

CD158E1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD158E1 - Images

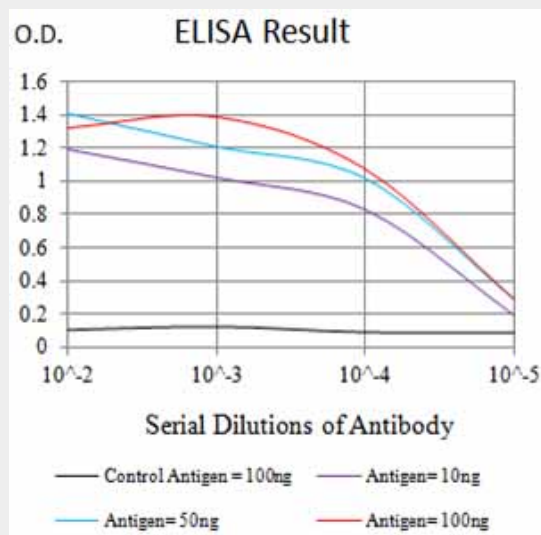


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

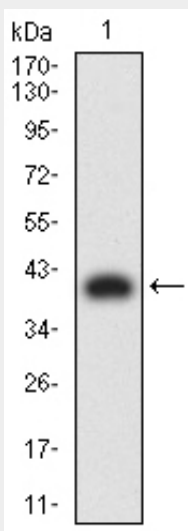


Figure 2: Western blot analysis using CD158E1 mAb against human CD158E1 (AA: extra 206-340) recombinant protein. (Expected MW is 40.5 kDa)

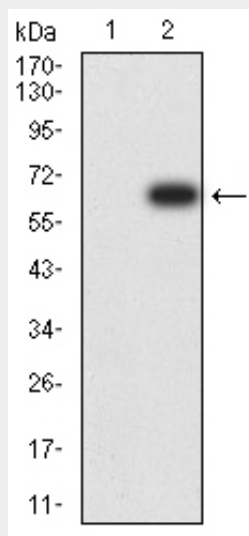


Figure 3: Western blot analysis using CD158E1 mAb against HEK293 (1) and CD158E1 (AA: extra 206-340)-hlgGfc transfected HEK293 (2) cell lysate.

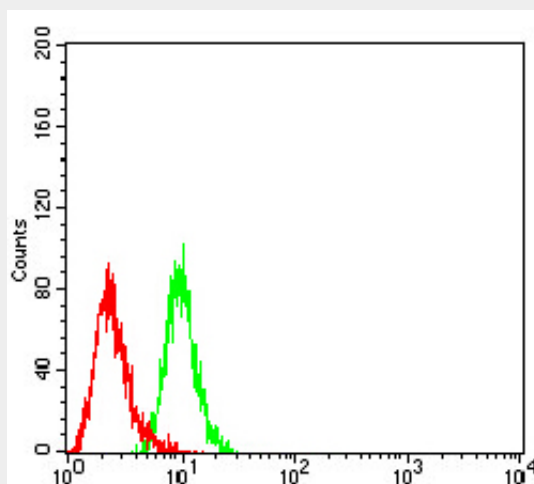


Figure 4: Flow cytometric analysis of HL-60 cells using CD158E1 mouse mAb (green) and negative control (red).

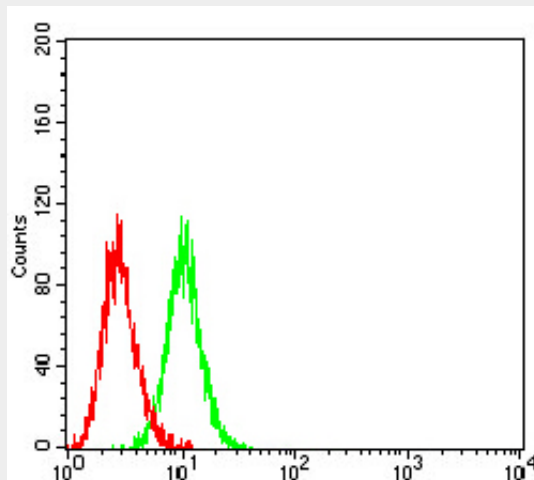


Figure 5:Flow cytometric analysis of Ramos cells using CD158E1 mouse mAb (green) and negative control (red).

CD158E1 - References

- 1.Clin Exp Immunol. 2016 Mar;183(3):419-30.2.J Leukoc Biol. 2010 Nov;88(5):905-12.