

## Mouse anti-Human KIR/CD158 Monoclonal Antibody | anti-KIR/CD158 antibody

KIR/CD158

|                              |                      |                            |                                                                              |
|------------------------------|----------------------|----------------------------|------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA48284</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay, Western Blot, ELISA</b> |
|------------------------------|----------------------|----------------------------|------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

KIR/CD158; Monoclonal Antibody; CD158F; CD158F1; KIR2DL5; KI2LA\_HUMAN; anti-KIR/CD158 antibody

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | Mouse                                                                                                                                                                       |
| Reactivity                                          | Human                                                                                                                                                                       |
| Clonality                                           | Monoclonal                                                                                                                                                                  |
| Isotype                                             | IgG2b kappa                                                                                                                                                                 |
| Clone Number                                        | AT11C11                                                                                                                                                                     |
| Form/Format                                         | Liquid; In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.                                                                                        |
| Concentration                                       | 1mg/ml (varies by lot)                                                                                                                                                      |
| Sequence Length                                     | 375                                                                                                                                                                         |
| Applicable Applications for anti-KIR/CD158 antibody | FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA                                                                                                                         |
| Immunogen                                           | Recombinant human KIR/CD158 (22-238aa) purified from E Coli.                                                                                                                |
| Conjugation                                         | Unconjugated                                                                                                                                                                |
| Preparation and Storage                             | Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Flow cytometry analysis of KIR/CD158 in PBMC. The cell was stained at 2-5ug for 1x10<sup>6</sup> cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



#### WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KIR/CD158 antibody (1:10000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.; Lane 1.: 293T cell lysate; Lane 2.: MCF7 cell lysate; Lane 3.: HepG2 cell lysate; Lane 4.: K562 cell lysate

### ADDITIONAL INFORMATION

#### Related Product Information for anti-KIR/CD158 antibody

KIR/CD158, also known as killer cell immunoglobulin-like receptor 2DL5A, is a type I transmembrane glycoprotein that belongs to the killer cell Ig-like receptor (KIR) family. It is detected on the cell surface as a monomer that, upon tyrosine phosphorylation, recruits the Src homology region 2-containing protein tyrosine phosphatase-2. It is thus an inhibitory receptor gathering a combination of genetic, structural, and functional features unique among KIR, which suggests that it plays a specialized role in innate immunity.

|            |                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------|
| References | Vilches, C., et al. (2000) J. Immunol. 164: 5797-5804. Elfishawi SM., et al. (2017) Hum. Immunol. 78 (11-12), 684-691. |
|------------|------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| NCBI GI #                        | 74759760                                                                              |
| NCBI GeneID                      | 57292                                                                                 |
| UniProt Accession #              | Q8N109                                                                                |
| NCBI Official Full Name          | Killer cell immunoglobulin-like receptor 2DL5A                                        |
| NCBI Official Synonym Full Names | killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 5A |
| NCBI Official Symbol             | KIR2DL5A                                                                              |
| NCBI Official Synonym Symbols    | CD158F; KIR2DL5; KIR2DL5.1; KIR2DL5.3                                                 |
| NCBI Protein Information         | killer cell immunoglobulin-like receptor 2DL5A                                        |
| UniProt Protein Name             | Killer cell immunoglobulin-like receptor 2DL5A                                        |
| UniProt Gene Name                | KIR2DL5A                                                                              |
| UniProt Synonym Gene Names       | CD158F; CD158F1; KIR2DL5                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/monoclonal/kir-cd158-antibody-clone-at11c11-flow-cytometry-western-blot-elisa/48284>