

## PerCP/Cyanine5.5 Anti-Human CD158/KIR2DL1 Antibody[HP-MA4]

Catalog Number: GFH1391J

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

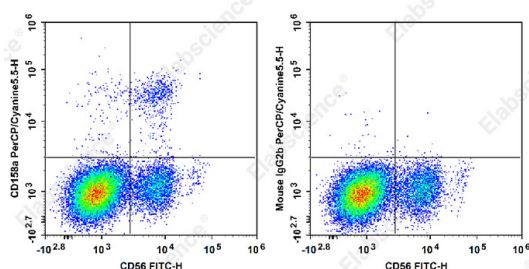
|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                |
| Host                    | Mouse                                                                                                                                                                |
| Isotype                 | Mouse IgG2b, $\kappa$                                                                                                                                                |
| Clone No.               | HP-MA4                                                                                                                                                               |
| Isotype Control         | PerCP/Cyanine5.5 Mouse IgG2b, $\kappa$ Isotype Control[MPC-11] [Product E-AB-F09812J]                                                                                |
| Conjugation             | PerCP/Cyanine 5.5                                                                                                                                                    |
| Conjugation Information | PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                  |

### Applications

### Recommended usage

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCM | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
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### Data



Staining of normal human peripheral blood cells with FITC Anti-Human CD56 Antibody and PerCP/Cyanine5.5 Anti-Human CD158/KIR2DL1 Antibody[HP-MA4] (left) or PerCP/Cyanine5.5 Mouse IgG2b,  $\kappa$  Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                      |
|-----------------|----------------------|
| Alternate Names | KIR2DL1              |
| Uniprot ID      | P43626;Q14953;Q14954 |
| Gene ID         | 3802;3810;3808;3806  |

### For Research Use Only

## Background

CD158 molecules, also known as KIRs (killer cell immunoglobulin-like receptors), are a family of transmembrane proteins with either two (KIR2D) or three (KIR3D) Ig-like extracellular domains. Some KIRs with long cytoplasmic domains contain ITIMs and possess inhibitory functions and others with short cytoplasmic region lack ITIM and have activation functions. 14 polymorphic KIR genes have been reported in humans. CD158 is mainly expressed on a subset of NK cells and a small population of CD8+ T cells. HLA-C is the ligand of CD158a/h.