Datasheet: MCA1584

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN CD158b</th>
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<tbody>
<tr>
<td>Specificity:</td>
<td>CD158b</td>
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<tr>
<td>Other names:</td>
<td>KIR2DL3</td>
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<tr>
<td>Format:</td>
<td>Purified</td>
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<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>GL183</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 mg</td>
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</table>

Product Details

| RRID                          | AB_2265256              |

Applications

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
<td></td>
<td></td>
<td>1/10 - 1/50</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<tr>
<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species: Human

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers:
- 0.09% Sodium Azide (NaN₃)
- 0.5% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Immunogen: NK cell clone E57 (Moretta et al. 1985).

External Database Links:
- UniProt: P43628
- Related reagents

Page 1 of 4
Entrez Gene: 3804 KIR2DL3  Related reagents

Synonyms  CD158B2, KIRCL23, NKAT2

Fusion Partners  Spleen cells from immunized Balb/c mice were fused with cells of the mouse P3UI myeloma cell line.

Specificity  Mouse anti Human CD158b antibody, clone GL183 recognizes human Killer cell immunoglobulin-like receptor 2DL3, also known as CD158b, KIR-023GB, MHC class I NK cell receptor, p58 natural killer cell receptor clone CL-6 or Natural killer-associated transcript 2. CD158b is a 341 amino acid, ~58 kDa single pass type-1 transmembrane glycoprotein containing two Ig-like C2-type domains. expressed by a subset of NK cells.

This antibody also recognizes a ~50 kDa molecule in some NK clones, which is highly homologous to p58.2 in the extracellular domain, but has a shorter cytoplasmic tail (Moretta et al. 1985). Both molecules are members of the newly described natural killer cell receptor family.

CD158b functions as a receptor specific for HLA Class I molecules, including Cw3 and related HLA-C alleles. Mouse anti Human CD158b antibody, clone GL183 can restore the lysis by human NK clones of otherwise lysis protected targets expressing Cw3.

Flow Cytometry  Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References  


### Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee
18 months from date of despatch.

### Health And Safety Information

### Regulatory
For research purposes only

### Related Products

#### Recommended Secondary Antibodies
- Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
- Goat Anti Mouse IgG (STAR77…) **HRP**
- Rabbit Anti Mouse IgG (STAR12…) **RPE**
- Rabbit Anti Mouse IgG (STAR8…) **DyLight®800**
- Rabbit Anti Mouse IgG (STAR13…) **HRP**
- Goat Anti Mouse IgG (STAR76…) **RPE**
- Goat Anti Mouse IgG (STAR70…) **FITC**
- Goat Anti Mouse IgG (Fc) (STAR120…) **FITC, HRP**
- Rabbit Anti Mouse IgG (STAR9…) **FITC**
- Goat Anti Mouse IgG (H/L) (STAR117…) **Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP**

#### Recommended Negative Controls
- **MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

### Contact Information

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