Datasheet: MCA2236

Description: MOUSE ANTI HUMAN CD101
Specificity: CD101
Format: Purified
Product Type: Monoclonal Antibody
Clone: BB27
Isotype: IgG1
Quantity: 0.2 mg

RRID: AB_324417

Applications
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<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. Suggested working dilutions are given as a guide only. 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
Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution: Phosphate buffered saline
Preservative Stabilisers: 0.09% Sodium Azide
Carrier Free: Yes
Approx. Protein Concentrations: IgG concentration 1.0 mg/ml
Immunogen: Human thymic clone B12.
External Database Links
UniProt: Q93033
Related reagents
EntrezGene: 9398 CD101
Related reagents
Synonyms EWI101, IGSF2, V7

Specificity
Mouse anti Human CD101 antibody, clone BB27 recognizes human CD101, also known as Immunoglobulin superfamily member 2 (IgSF2). Cell surface glycoprotein V7, Glu-Trp-Ile EWI motif-containing protein 101 or EWI-101. CD101 is a 1021 amino acid, including a 20 amino acid signal peptide, ~140 kDa single pass type I homodimeric cell surface glycoprotein expressed primarily by monocytes, granulocytes, dendritic cells and activated T lymphocytes.

CD101 plays a major role in the activation of T cells by skin dendritic cells. Mouse anti Human CD101 antibody, clone BB27 has been reported to inhibit allogeneic T-cell responses (Bagot et al., 1997).

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

<table>
<thead>
<tr>
<th>Antibody Type</th>
<th>Label</th>
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</thead>
<tbody>
<tr>
<td>Goat Anti Mouse IgG IgA IgM (STAR87...)</td>
<td>Alkaline Phosphatase, HRP</td>
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<tr>
<td>Goat Anti Mouse IgG (STAR77...)</td>
<td>HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR12...)</td>
<td>RPE</td>
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<tr>
<td>Rabbit Anti Mouse IgG (STAR8...)</td>
<td>DyLight®800</td>
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<tr>
<td>Rabbit Anti Mouse IgG (STAR13...)</td>
<td>HRP</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (STAR76...)</td>
<td>RPE</td>
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<tr>
<td>Goat Anti Mouse IgG (STAR70...)</td>
<td>FITC</td>
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<tr>
<td>Goat Anti Mouse IgG (Fc) (STAR120...)</td>
<td>FITC, HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR9...)</td>
<td>FITC</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (H/L) (STAR117...)</td>
<td>Alkaline Phosphatase, DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP</td>
</tr>
</tbody>
</table>

#### Recommended Negative Controls

**MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

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