Datasheet: MCA2236F

Description: MOUSE ANTI HUMAN CD101:FITC
Specificity: CD101
Format: FITC
Product Type: Monoclonal Antibody
Clone: BB27
Isotype: IgG1
Quantity: 0.1 mg

RRID: AB_324108

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>Method</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>1/5 - 1/10</td>
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</tbody>
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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 their own system using appropriate negative/positive controls.

Target Species: Human
Product Form: Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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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, 1% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml
Immunogen: Human thymic clone B12.

External Database Links
UniProt: Q93033
Related reagents
Entrez Gene: 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 cell 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. This product is photosensitive and should be protected from light.

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.


Regulatory  For research purposes only
Related Products

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL: FITC (MCA928F)**

**Recommended Useful Reagents**

**HUMAN SEROBLOCK (BUF070A)**
**HUMAN SEROBLOCK (BUF070B)**