CD81-Pacific Blue*  PN B19717

Antibody

Specificity: Human CD81
Clone: JS64
Isotype: IgG2a mouse

Antigen Characteristics

Other Name: TAPA-1
Gene Location: 11p15
Gene Name: CD81
Molecular Weight: 26 kDa

The CD81 molecule is a single chain, 4 transmembrane domains protein (Tetraspan/TM4SF). Both the NH2- and COOH-termini are located inside the cytoplasm, and two loops of the protein sequence are exposed extracellularly. CD81 antigen is not glycosylated.

Its tissue distribution is broad, and this antigen may be present in some cases as multimolecular complexes, in association with other members of the TM4 superfamily (CD37, CD53) or, on the surface of B cells, in association with CD19 and/or CD21 and/or MHC class II antigens. Most B lymphocytes, at all stages of cellular differentiation, express CD81 at relatively high levels. The CD81 antigen is expressed by the majority of normal lymphocytes, monocytes and eosinophils whereas it is absent from neutrophils and platelets.

References

- Angesolinova, P., et al., «Large non covalent complexes involving HLA-DR and four antigens of the tetraspan superfamily» (CD37, CD53, TAPA-1 and R2), 1993, Tissue antigens, 42, 4, 308.

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Antibody Characteristics

JS64 monoclonal antibody has an anti-proliferative effect on some cell lines, but does not cause apoptosis. JS64 has been assigned to the CD81 cluster of differentiation at the fifth International Workshop on Human Leucocyte Differentiation Antigens in Boston, USA, in 1993 (WS Code: B009).

Example of Results

Normal Donor, EDTA-anticoagulated peripheral blood, separate sample spiked with CLL-positive sample Acquisition on Navios equipped with 3 Lasers / 12 detectors

Formats available

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<thead>
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<th>Size</th>
<th>Volume</th>
<th>Line</th>
<th>Status</th>
<th>Part #</th>
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<tbody>
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<td>-</td>
<td>RUO</td>
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<tr>
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<td>100 tests</td>
<td>2 mL</td>
<td>IOTest</td>
<td>ASR</td>
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<tr>
<td>APC</td>
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<td>0.5 mL</td>
<td>IOTest</td>
<td>ASR</td>
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<tr>
<td>Pacific Blue</td>
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<td>0.5 mL</td>
<td>IOTest</td>
<td>ASR</td>
</tr>
</tbody>
</table>

ASR: Analyte Specific Reagent. Analytical and performance characteristics are not established. RUO: For Research Use Only. Not for use in diagnostic procedures.

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