Antibodies

Mouse monoclonal IgM antibody against human, rat, rhesus TRA-1-81, APC-conjugated

Catalog 

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Tests</th>
<th>Volume/test</th>
</tr>
</thead>
<tbody>
<tr>
<td>#60065AZ</td>
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<td>5 μL/test</td>
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<tr>
<td>#60065AZ.1</td>
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</tbody>
</table>

Product Description

The TRA-1-81 antibody reacts with a carbohydrate epitope on TRA-1-81, a high-molecular-mass (> 200 kDa) glycoprotein expressed on the surface of human embryonal carcinoma (EC), embryonic germ (EG), embryonic stem (ES), and induced pluripotent stem (iPS) cells, as well as rhesus monkey and rat ES cell lines. No immunoreactivity is observed with mouse EC, EG, ES, or iPS cells. The epitope of the TRA-1-81 antibody is associated with a keratan-sulfated transmembrane protein identified as podocalyxin and is resistant to treatment with neuraminidase.

Target Antigen Name: TRA-1-81
Alternative Names: Podocalyxin
Gene ID: 5420
Species Reactivity: Human, Rat, Rhesus
Host Species: Mouse
Clonality: Monoclonal
Clone: TRA-1-81
Isotype: IgM, kappa
Immunogen: Human embryonal carcinoma cell line 2102Ep cl.2A6
Conjugate: APC

Applications

Verified: FC
Reported: FC
Special Applications: This antibody clone has been verified for labeling human ES and iPS cells grown in TeSR™-E8™ (Catalog #05940), mTeSR™1 (Catalog #05850) and TeSR™2 (Catalog #05860).

Properties

Formulation: Aqueous buffer containing 0.09% sodium azide, may contain carrier protein/stabilizer
Purification: The antibody was purified by column chromatography.
Stability and Storage: Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. For product expiry date, please contact techsupport@stemcell.com.
Directions for Use: For flow cytometry the suggested use of this antibody is 5 μL per 1 x 10^6 cells in 100 μL volume. It is recommended that the antibody be titrated for optimal performance for each application.
Data

Flow cytometry analysis of human ES cells labeled with Anti-Human TRA-1-81 Antibody, Clone TRA-1-81, APC (filled histogram) or a mouse IgM, kappa APC isotype control antibody (open histogram).

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References