**Alexa Fluor® 647 Mouse Anti-Human CD263 (TRAIL-R3)**

**Product Information**

**Material Number:** 565458

**Alternate Name:** TRAIL-R3; TRAILR3; TRAIL Receptor 3; TNFRSF10C ; TR10C; DCR1; LIT; TRID

**Size:**
50 Tests

**Vol. per Test:**
5 µl/test

**Clone:**
B-D44

**Immunogen:**
Recombinant human TRAIL R3/Fc Protein

**Isotype:**
Mouse (BALB/c) IgG1

**Reactivity:**
QC Testing: Human

**Workshop:**
HLDA8

**Storage Buffer:**
Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

**Description**

The B-D44 monoclonal antibody specifically recognizes CD263 which is also known as, TNF-related apoptosis-inducing ligand receptor 3 (TRAIL Receptor 3/TRAIL-R3), Decoy receptor 1 (DCR1), Lymphocyte inhibitor of TRAIL (LIT), or TRID. CD263 is a glycosylphosphatidylinositol (GPI)-anchored glycoprotein that belongs to the TNF Receptor Superfamily which includes other TRAIL (CD253/APO-2 Ligand) Receptors: CD261 (TRAIL-R1), CD262 (TRAIL-R2), and CD264 (TRAIL-R4). Unlike CD261 or CD262 that contain an intracellular signaling death domain, CD263 (and CD264) lacks a cytoplasmic death domain and is unable to transduce apoptotic signals upon binding TRAIL. CD263 thus serves as a decoy receptor for TRAIL. It functions as a negative regulator of apoptotic signaling by competing with CD261 and CD262 for the binding of TRAIL. Overexpression of CD263 can reportedly attenuate TRAIL-induced apoptosis.

**Preparation and Storage**

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated to Alexa Fluor® 647 under optimum conditions, and unreacted Alexa Fluor® 647 was removed.

**Application Notes**

**Application**

<table>
<thead>
<tr>
<th>Flow cytometry</th>
<th>Routinely Tested</th>
</tr>
</thead>
</table>

**BD Biosciences**

565458 Rev. 1
## Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>554657</td>
<td>Stain Buffer (BSA)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>557714</td>
<td>Alexa Fluor® 647 Mouse IgG1 κ Isotype Control</td>
<td>100 Tests</td>
<td>MOPC-21</td>
</tr>
<tr>
<td>555899</td>
<td>Lysing Buffer</td>
<td>100 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>349202</td>
<td>BD FACSTM Lysing Solution</td>
<td>100 mL</td>
<td>(none)</td>
</tr>
</tbody>
</table>

## Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use $1 \times 10^6$ cells in a 100-µl experimental sample (a test).
3. The Alexa Fluor®, Pacific Blue™, and Cascade Blue® dye antibody conjugates in this product are sold under license from Molecular Probes, Inc. for research use only, excluding use in combination with microarrays, or as analyte specific reagents. The Alexa Fluor® dyes (except for Alexa Fluor® 430), Pacific Blue™ dye, and Cascade Blue® dye are covered by pending and issued patents.
4. Alexa Fluor® 647 fluorochrome emission is collected at the same instrument settings as for allophycocyanin (APC).
5. Alexa Fluor® is a registered trademark of Molecular Probes, Inc., Eugene, OR.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
7. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
8. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
9. An isotype control should be used at the same concentration as the antibody of interest.

## References


---

**BD Biosciences**

bdbiosciences.com

United States  Canada  Europe  Japan  Asia Pacific  Latin America/Caribbean

877.232.8995  866.979.9408  32.2.400.98.95  0120.8555.90  65.6861.0633  55.11.5185.9995

For country contact information, visit bdbiosciences.com/contact

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton, Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

Unless otherwise noted, BD, BD Logo and all other trademarks are property of Becton, Dickinson and Company. © 2015 BD

565458 Rev. 1