IOTest
Conjugated Antibody
CD30-APC
-Alexa Fluor 700

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
</tr>
<tr>
<td>Clone</td>
</tr>
<tr>
<td>Hybridoma</td>
</tr>
<tr>
<td>Immunogen</td>
</tr>
<tr>
<td>Isotype</td>
</tr>
<tr>
<td>Species</td>
</tr>
<tr>
<td>Purification</td>
</tr>
<tr>
<td>Fluorochrome</td>
</tr>
<tr>
<td>Molar ratio</td>
</tr>
<tr>
<td>λ excitation</td>
</tr>
<tr>
<td>Emission Peak</td>
</tr>
<tr>
<td>Buffer</td>
</tr>
</tbody>
</table>

REF B42017 Liquid - 0.5 mL

Analyte Specific Reagent.
Analytical and performance characteristics are not established

REAGENTS

WARNING AND PRECAUTIONS
1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.
2. Specimens, samples and all material coming in contact with them should be considered potentially infectious and disposed of with proper precautions.
3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
4. Do not use antibody beyond the expiration date on the label.
5. Do not expose reagents to strong light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use good laboratory practices when handling this reagent.
8. Any change in the physical appearance of the reagents may indicate deterioration and the reagent should not be used.

GHS HAZARD CLASSIFICATION
Not classified as hazardous

STORAGE AND HANDLING CONDITIONS AND STABILITY
This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze.
No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

CONTENTS
Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).
To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

**SPECIFICITY**
CD30 antigen is a member of the tumor necrosis factor receptor (TNFR) / nerve growth factor receptor (NGFR) superfamily (1, 2). The molecular weight of the recognized antigen is 105 kDa and it binds to CD153 (CD30 ligand). The CD30 antigen is found on activated T and B lymphocytes and on Reed Sternberg cells. In lymphoid tissues, CD30 (also known as Ki-1 antigen) is expressed on a few extrafollicular activated T and B blasts and B blasts located at the rim of germinal center (1,3). CD30 expression is induced in vitro on lectin-stimulated T-cell, B-cell blast and on mixed lymphocyte culture (MCL) suggesting an activated lymphoid cell expression feature (2,3).

The HRS4 monoclonal antibody has been assigned to the CD30 cluster of differentiation during the fifth International Workshop on Human Leucocyte Differentiation Antigens held in Boston, USA in 1993 (3).

**LIMITATIONS**
Due to the tandem structure of the fluorochrome, APC-AlexaFluor700 also emits light at 660 nm. This secondary emission peak varies from lot-to-lot of APC-AlexaFluor700. Therefore, for multi-color analysis, the compensation matrix should be carefully checked when changing the lot of a APC-AlexaFluor700 -conjugate. Weak non-specific binding on a lymphocyte subpopulation may occur on some donors with APC-Alexa Fluor 700 conjugates.

**TRADEMARKS**
Beckman Coulter, the stylized logo and IOTest are trademarks of Beckman Coulter, Inc., and registered with the USPTO.

Alexa Fluor is a trademark of Molecular Probes, Inc.

**ADDITIONAL INFORMATION**
For additional information, or if damaged product is received, call Beckman Coulter Customer Service at 800-526-7694 (USA or Canada) or contact your local Beckman Coulter Representative.

---

**REFERENCES**

---

IMMUNOTECH S.A.S. a Beckman Coulter Company, 130, avenue de Lattre de Tassigny, BP 177, 13276 Marseille cedex 9, France, 33-491 172 727