**ANALYTE SPECIFIC REAGENT**

Analytical and performance characteristics are not established.

**ANTIBODY SPECIFICITY**

The IL-2R1 antibody recognizes the CD25 antigen, also known as the Tac antigen, a glycoprotein with a molecular weight of 55 kd. This antigen is the alpha subunit of the receptor for interleukin 2 (IL-2) and, in isolation, has a moderate affinity for the cytokine. In association with the beta and gamma subunits, CD25 antigen forms the high affinity receptor for IL-2. It is present on mitogen or antigen activated T cells and on T cell clones. It is also present on activated B cell and monocytes but is not expressed on thymocytes and resting T cells. The IL-2R1 antibody inhibits the ability of IL-2 reactive cells to proliferate in response to purified IL-2.

**REAGENT**

See table above.

**REAGENT CONTENTS**

The antibody concentration is 110 µg/mL.

The concentration of nonantibody reagents is 0.2% BSA, 0.01 M potassium phosphate, 0.15 M NaCl, 0.1% NaN₃ and stabilizers.

**STATEMENT OF WARNINGS**

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. Do not use antibody beyond the expiration date on label.
3. Samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
4. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
5. Minimize exposure to light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use Good Laboratory Practices (GLP) when handling this reagent.
8. Harmful if swallowed.
9. After contact with skin, wash immediately with plenty of water.

**EVIDENCE OF DETERIORATION**

Any change in the physical appearance of the reagent (clear, colorless to pinkish liquid) or any major variation in values obtained for control samples might indicate deterioration and the reagent should not be used.

**STORAGE AND HANDLING CONDITIONS AND STABILITY**

No reconstitution is necessary. This CYTO-STAT/COULTER CLONE monoclonal antibody may be used directly from the vial.

Bring reagent to 20-25°C prior to use.

**SELECTED RESEARCH REFERENCES**


**PRODUCT AVAILABILITY**

CYTO-STAT/COULTER CLONE IL-2R1-RD1

PN 4236116-EA

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