**SPECIFICITY**
CD62L (L-selectin; leucocyte adhesion molecule 1 [LECAM-1]) is a member of the selectin family (1). As other selectins (CD62E, CD62P), CD62L (76 kDa) is a membrane-anchored Ca2+ -dependent C-type lectin (2) that binds to cell-surface carbohydrate ligands. The roles of CD62L in the interaction of leucocytes with ligands on high endothelial venule cells in lymphoid tissue, on activated endothelium in non-lymphoid organs and in signal transduction are reviewed in Refs. 3 and 4.

CD62L is expressed by nearly all circulating resting leucocytes, by some spleen and bone marrow lymphocytes, as well as by some thymocytes and bone marrow myeloid cells (1). The expression level of CD62L on lymphocytes may be subject to control mechanisms such as downregulation and/or upregulation (2, 3, 5). On neutrophils, monocytes and their bone marrow precursors, CD62L is also downregulated by stimulation with granulocyte-macrophage colony stimulating factor (GM-CSF) (6).

The DREG56 monoclonal antibody (mAb) reacts with an epitope included in the lectin-like distal domain of the CD62L antigen (7, 8).

The DREG56 mAb has been assigned to the CD62L cluster of differentiation during the 6th International Workshop on Human Leucocyte Differentiation Antigens (HLDA) in Boston, USA, in 1993 (WS Code: S056) (2). It was used as a reference mAb (WS Code: ref.33) during the 6th HLDA in Kobe, Japan, in 1996 (1).

**STATEMENTS OF WARNING**
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 or temperature extremes 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.

**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.

**SELECTED RESEARCH REFERENCES**

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**MANUFACTURED BY:**
IMMUNOTECH SAS
a Beckman Coulter Company
130, avenue de Latre de Tassigny
B.P. 177 - 13276 Marseille Cedex 9
France

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Printed in France.
Made in France.
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