Monoclonal Antibody CD162

PN IM2091 – Purified – Freeze-dried – 0.2 mg – Clone 5D8-8-12 (PL2)

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY
The CD162 antigen also called Human P-Selectin Glycoprotein Ligand 1 (PSGL-1) is a 120 kDa mucin-like glycoprotein forming homodimers and is a high-affinity ligand for P-selectin (CD62P) (1-3). Studies using 3E2-25-5 (PL1) and 5D8-8-12 (PL2) monoclonal antibodies (mAb) have shown that CD162 is the major counter-receptor for P-selectin to mediate neutrophil initial attachment and rolling on activated vascular endothelium, both in vitro (4, 5) and in vivo (6). In peripheral blood, 5D8-8-12 (PL2) mAb reacts with monocytes, granulocytes, T cells and a subset of B cells. It does not react with erythrocytes and resting or thrombin activated platelets (4).

The 5D8-8-12 (PL2) mAb is a non blocking antibody. It was assigned to the CD162 cluster of differentiation at the VIth International Workshop on Human Leukocyte Differentiation Antigens held in 1996 in Kobe, Japan.

REAGENT
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Clone 5D8-8-12 (PL2)
Isotype IgG1
Species Mouse
Immunogen Human neutrophils
Hybridoma X63-Ag8.653 x Balb/c spleen cells
Source Ascites fluid
Purification Ion exchange or affinity chromatography
Buffer 1 mg/mL bovine serum albumin in phosphate-buffered saline

APPLICATION
Studies of CD162 positive cells
Flow cytometry

STATEMENT OF WARNINGS
1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use antibody beyond the expiration date on the label.
4. Avoid microbial contamination of reagents or incorrect results might occur.
5. Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY
This freeze-dried form may be stored at 2 – 8°C until the expiration date stated on the vial label. No preservative has been added.

REAGENT PREPARATION
Depending of usage, reconstitute with 1 mL of distilled water, with or without 0.1% sodium azide (w/v).
The reconstituted form including 0.1% sodium azide may be stored for up to one month at 2 – 8°C. The reconstituted form without sodium azide can be stored at –20°C or less, until the expiration date stated on the vial label. In this case, aliquoting is recommended to avoid multiple freezing / thawing cycles.

PROCEDURE
For each application, it is recommended to establish the right range of antibody dilutions to be used for the experiment.

SELECTED RESEARCH REFERENCES

PRODUCT AVAILABILITY
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For additional information in the USA, call 800-526-7694. Outside the USA, contact your local Beckman Coulter representative. www.beckmancoulter.com

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Manufactured by: Immunotech, a Beckman Coulter Company 130, avenue de Lattre de Tassigny, B.P. 177 13276 Marseille Cedex 9, France

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