CD18 is the 95 kDa integrin β2-chain which forms non-covalently-bound heterodimers with the integrin α subunits: CD11a, CD11b and CD11c (αL, αM and αX, respectively) (1, 2).

The 7E4 monoclonal antibody (mAb) stains lymphocytes, granulocytes and macrophages in tonsil, lymph nodes and liver. It is found in lymphocytes, granulocytes and macrophages in inflamed tissues (5, 6).

The 7E4 mAb has been assigned to the CD18 cluster of differentiation at the sixth International Workshop on Human Leucocyte Differentiation Antigens held in Kobe, Japan, in 1996 (5).

The 7E4 monoclonal antibody (mAb) stains activated platelets and megakaryocytic cell lines (3, 4).

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.

Avoid microbial contamination of reagents or incorrect results might occur.

Use good laboratory practices when handling this reagent.

STORAGE CONDITIONS AND STABILITY

This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze.

EVIDENCE OF DETERIORATION

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

REAGENT PREPARATION

No preparation is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

SELECTED RESEARCH REFERENCES


PRODUCT AVAILABILITY

IOtest CD18-PE Conjugated Antibody
PN IM1570U – 2 mL Liquid – 20 µL / test*.

PE is licensed under patent 4,520,110.

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

www.beckmancoulter.com

TRADEMARKS

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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

(*): 20 µL is the quantity of product sufficient to stain 5 x 10^5 cells in a standard immunofluorescence assay.