

# Monoclonal Antibody CD7

PN IM0179 – Purified – Freeze-dried – 0.2 mg – Clone 8H8.1

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

## SPECIFICITY

The CD7 antigen is a single-chain protein with a molecular weight of 40 kDa. It is expressed on T lymphocyte precursors, prior to thymic homing. CD7 antigen is found on thymocytes and on the majority of peripheral blood T lymphocytes. It is also expressed on most NK cells, pre-B lymphocytes and weakly on monocytes. Mature B lymphocytes and granulocytes do not express this antigen.

8H8.1 strictly reacts with T cells, thymocytes and NK cells.

The 8H8.1 mAb has been assigned to the CD7 cluster of differentiation at the second International Workshop on Human Leucocyte Differentiation Antigens held in Boston, USA, in 1984 (1).

## REAGENT

Monoclonal Antibody CD7  
PN IM0179 – Purified – Freeze-dried –  
0.2 mg

<b>Clone</b>	8H8.1
<b>Isotype</b>	IgG2a $\kappa$ , mouse
<b>Immunogen</b>	Human thymocytes
<b>Hybridoma</b>	P3-X63-Ag8 x Balb/c spleen cells
<b>Source</b>	Ascites fluid
<b>Purification</b>	Protein A affinity chromatography
<b>Buffer</b>	1 mg/mL bovine serum albumin in phosphate- buffered saline

## APPLICATION

Studies of CD7 positive cells by 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. Do not expose reagents to strong light during storage or incubation.
5. Avoid microbial contamination of reagents or incorrect results might occur.

## 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, aliquotting 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

1. Palker, T.J., Scarce, R.M., Hensley, L.L., Ho, W., Haynes, B.F., "Comparison of the CD7 (3A1) Group of T Cell Workshop Antibodies", 1986, Leucocyte Typing II, White Cell Differentiation Antigens, Reinherz, E.L., et al., Eds., Springer-Verlag, Inc., p 303-313.

## PRODUCT AVAILABILITY

Monoclonal Antibody CD7  
PN IM0179 – Purified – Freeze-dried  
dried – 0.2 mg

## TRADEMARKS

Beckman Coulter and the Beckman Coulter logo are trademarks of Beckman Coulter, Inc.

For additional information in the USA, call 800-526-7694.

Outside the USA, contact your local Beckman Coulter representative.

[www.beckmancoulter.com](http://www.beckmancoulter.com)

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

©2005 Beckman Coulter, Inc.  
All Rights Reserved