



MOUSE ANTI-HUMAN CD45 MONOCLONAL ANTIBODY

CATALOG NUMBER: CBL124 QUANTITY: 100 µg

LOT NUMBER: CONCENTRATION: 0.1 mg/mL

ALTERNATE NAMES: LCA

6/9/2006/CBL124/dbo

CLONE NAME: F10-89-4 **HOST/ISOTYPE:** Ms lgG2a

SPECIFICITY: This antibody reacts with the leucocyte common antigen (LCA) complex to be found on

lymphocytes, monocytes, granulocytes, thymocytes and malignant T and B cells. No reactivity has been observed with primary or metastatic carcinoma cells. Plasma cells or myeloma cells

may have weak expression or be negative for this antigen.

The LCA comprises of at least 5 isoforms ranging from 180-220 kDa which are produced as a result of alternative splicing of exons A, B or C. CBL 124 recognizes epitopes common to

all of the isoforms.

Antigen distribution:

 Thymocytes
 > 95%

 Granulocytes
 > 95%

 Monocytes
 > 95%

 B cells (CD20+)
 > 95%

 T cells (CD3+)
 > 95%

 NK cells (CD16+)
 > 95%

 Peripheral blood lymphocytes
 > 95%

FUSION PARTNER: NS1 myeloma cell line

APPLICATIONS: Identification of cells of leucocyte origin by indirect immunofluorescence staining

Immunohistochemical discrimination between malignant cells of haematopoietic origin and

other malignancies in frozen tissue sections

Immunoprecipitation of the leucocyte common antigen complex and its identification by the

Western blotting technique

Studies of CD45 expression and the association with T-cell receptor signaling

Studies of the mechanism by which CD45 regulates B cell activation through protein tyrosine

phospatases

Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITY: Reacts with Human. Reactivity with other species has not been determined.

IMMUNOGEN: Purified T cells from human lymph nodes

FORMAT: Purified immunoglobulin, purified by Protein A affinity chromatography

PRESENTATION: The monoclonal is presented in phosphate buffered saline containing 10mM sodium azide and

1mg/ml bovine serum albumin. We recommend that each laboratory determine an optimum

working titre for use in its particular application.

STORAGE/HANDLING: For use within 1 month of purchase store at +4°C, for long term storage aliquot antibody into

small volumes and store at -20°C for up to one year.

REFERENCES: Justement, L. B. et al. (1994). Immunol. Today 15:399-406.

Leucocyte Typing IV (1989). Oxford University Press





Leucocyte Typing III (1987). Oxford University Press Dalchau, R. et al (1980). Eur. J. Immunol. 10:737.

Important Note:

During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

©2002 - 2010: Millipore Corporation. All rights reserved. No part of these works may be reproduced in any form without permission in writing.

Page 2 of 2