

Datasheet

CD8A monoclonal antibody, clone 14

Catalog Number: MAB6899

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD8A.

Clone Name: 14

Immunogen: Native purified CD8A from human thymocytes.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IHC-Fr, IP
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Isotype: IgG1, kappa

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)

Storage Instruction: Store at 4°C.

Entrez GeneID: 925

Gene Symbol: CD8A

Gene Alias: CD8, Leu2, MAL, p32

Gene Summary: The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a corepressor with the

T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains, or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain isoforms. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Interaction between CD8 and major histocompatibility complex (MHC) class I mediated by multiple contact surfaces that include the alpha 2 and alpha 3 domains of MHC class I. Sun J, Leahy DJ, Kavathas PB. J Exp Med. 1995 Nov 1;182(5):1275-80.
2. The CD8 coreceptor revisited: one chain good, two chains better. Zamoyska R. Immunity. 1994 Jul;1(4):243-6.