



Product Information Sheet

Monoclonal Anti-CD4 (Sephacrose Bead Conjugate)

Catalogue No. MA1016-S

Lot No. 08A12

Clone: CA-4

Ig type: mouse IgG1

Size: 200µl

Specificity

Human

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation (IP)

Immunogen

CD4-transfected mouse T-cell hybridoma, 3DT, followed by CD4+ human T-cell CEM cells.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacrose beads. It is useful for immunoprecipitation assays.

BACKGROUND

CD stands for 'cluster of differentiation'; the number that follows is arbitrarily assigned. In the full designation the cell type and nature and molecular weight of the antigen are given in brackets; for CD4, this is as follows: [T,gp55]. CD4 is present on a subset of T lymphocytes ("helper/inducer" T cells) and is also expressed at a lower level on monocytes, tissue macrophages and granulocytes. The antigen is involved in binding to MHC class II molecules. The intracellular domain of the antigen is associated with p56lck protein tyrosine kinase.

REFERENCE

1. Committee on Human Leukocyte Differentiation Antigens, IUIS WHO Nomenclature Subcommittee : Proposed nomenclature for human leukocyte differentiation antigens. *Bull. WHO* 5: 809-811, 1984. Note: Alternate: *Immunology Today* 5: 280 only, 1984.
2. Grakoui, A.; Bromley, S. K.; Sumen, C.; Davis, M. M.; Shaw, A. S.; Allen, P. M.; Dustin, M. L. : The immunological synapse: a molecular machine controlling T cell activation. *Science* 285: 221-227, 1999

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