9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

HLA-DR1 monoclonal antibody, clone MEM-267 (PE)

Catalog Number: MAB5091

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against HLA-DR1.

Clone Name: MEM-267

Immunogen: Purified, insoluble DR1 beta chain (DRB1*0101) expressed in *Escherichia coli* inclusion bodies.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt
(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

Specificity: This antibody specifically binds to the empty but not peptide-loaded form of HLA-DR1. DR is the isotypes of human MHC Class II molecules expressed on antigen-presenting cells (APC; dendritic cells, B lymphocytes, monocytes, macrophages).

Form: Liquid

Conjugation: PE

Concentration: 0.1 mg/mL

Isotype: IgG2b

Recommend Usage: Flow Cytometry (5 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 15 mM sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.
Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

References:

1. Conformational variation of surface class II MHC proteins during myeloid dendritic cell differentiation accompanies structural changes in lysosomal MIIC. Potolicchio I, Chitta S, Xu X, Fonseca D, Crisi G, Horejsi V, Strominger JL, Stern LJ, Raposo G, Santambrogio L. J Immunol. 2005 Oct 15;175(8):4935-47.

2. Monoclonal antibodies specific for the empty conformation of HLA-DR1 reveal aspects of the conformational change associated with peptide binding. Carven GJ, Chitta S, Hilgert I, Rushe MM, Baggio RF, Palmer M, Arenas JE, Strominger JL, Horejsi V, Santambrogio L, Stern LJ. J Biol Chem. 2004 Apr 16;279(16):16561-70. Epub 2004 Feb 2.