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Datasheet

HLA-Class I monoclonal antibody, clone MEM-147 (PE)

Catalog Number: MAB5024

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native HLA-Class I.

Clone Name: MEM-147

Immunogen: Native purified HLA-Class I from PHA-activated peripheral blood lymphocytes.

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 reacts with all human classical MHC Class I molecules in native cell-surface forms (e.g. it recognizes native HLA-A2 in cytofluorometry and immunoprecipitation but not in Western blot). This antibody is positive in Western blot (non-reducing conditions) only with most HLA-B and HLA-C molecules, but not HLA-A.

Form: Liquid

Conjugation: PE

Concentration: 0.1 mg/mL

Isotype: IgG1

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, 0.09% 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. Expression of HLA-G in human cornea, an immune-privileged tissue. Le Discorde M, Moreau P, Sabatier P, Legeais JM, Carosella ED. Hum Immunol. 2003 Nov;64(11):1039-44.
2. The epitope recognized by pan-HLA class I-reactive monoclonal antibody W6/32 and its relationship to unusual stability of the HLA-B27/beta2-microglobulin complex. Tran TM, Ivanyi P, Hilgert I, Brdicka T, Pla M, Breur B, Flieger M, Ivaskova E, Horejsi V. Immunogenetics. 2001 Aug;53(6):440-6.
3. Residue 3 of beta2-microglobulin affects binding of class I MHC molecules by the W6/32 antibody. Ladasky JJ, Shum BP, Canavez F, Seuanez HN, Parham P. Immunogenetics. 1999 Apr;49(4):312-20.