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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
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### SZABO-SCANDIC HandelsgmbH

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## Purified Mouse Anti-HLA-E Monoclonal Antibody

**CLX95AP**  
**Lot: 516970**

**Clone:** MEM-E/06

**Isotype:** Mouse IgG1

**Specificity:** The antibody MEM-E/06 recognized native surface-expressed HLA-E, but not denaturated heavy chain of HLA-E. HLA-E belongs to the MHC Class I molecules (MHC Class Ib; nonclassical) and it is expressed on many types of the human cells. The published results showed that the antibody cross-reacts with some classical MHC Class I molecules (HLA-A3, -A11, -B7). However, the recent Workshop I Session on the 3rd International Conference on HLA-G (Paris, July 2003) confirmed that the antibody exhibits much broader cross-reactivity classical MHC Class I antigens, namely with HLA-A24, -A32, -B8, -B15, -B27, -B35, -B44, -B54, -C3, -C4, -C5, -C7.

**Regulatory Status:** RUO

**Immunogen:** Bacterially expressed recombinant HLA-E refolded with beta2-microglobulin and peptide.

**Species Reactivity:** Human, Non-Human Primates

**Concentration:** 1 mg/ml

**Purification:** Purified from ascites by protein-A affinity chromatography.

**Purity:** > 95% (by SDS-PAGE)

**Application:** **Flow Cytometry**  
**Immunoprecipitation**  
**Immunohistochemistry (paraffin sections)**  
Recommended dilution: 10 µg/ml  
Positive tissue: spleen

**Storage Buffer:** Tris buffered saline (TBS) with 15 mM sodium azide, approx. pH 8.0

*Continued...*

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**Storage / Stability:** Store at 2-8°C. Do not freeze. Do not use after expiration date on vial label.

**References:**

- \*Menier C, Saez B, Horejsi V, Martinozzi S, Krawice-Radanne I, Bruel S, Le Danff C, Reboul M, Hilgert I, Rabreau M, Larrad ML, Pla M, Carosella ED, Rouas-Freiss N.: Characterization of monoclonal antibodies recognizing HLA-G or HLA-E: new tools to analyze the expression of nonclassical HLA class I molecules. *Hum Immunol.* 2003 Mar;64(3):315-26.
- \*Palmisano GL, Contardi E, Morabito A, Gargaglione V, Ferrara GB, Pistillo MP.: HLA-E surface expression is independent of the availability of HLA class I signal sequence-derived peptides in human tumor cell lines. *Hum Immunol.* 2005 Jan;66(1):1-12.
- \*Gonen-Gross T, Achdout H, Arnon TI, Gazit R, Stern N, Horejsi V, Goldman-Wohl D, Yagel S, Mandelboim O: The CD85J/leukocyte inhibitory receptor-1 distinguishes between conformed and beta 2-microglobulin-free HLA-G molecules. *J Immunol.* 2005 Oct 15;175(8):4866-74.
- \*Dambaeva SV, Bondarenko GI, Grendell RL, Kravitz RH, Durning M, Golos TG: Non-classical MHC-E (Mamu-E) expression in the rhesus monkey placenta. *Placenta.* 2008 Jan;29(1):58-70.
- \*Lo Monaco E, Tremante E, Cerboni C, Melucci E, Sibilio L, Zingoni A, Nicotra MR, Natali PG, Giacomini P: Human leukocyte antigen E contributes to protect tumor cells from lysis by natural killer cells. *Neoplasia.* 2011 Sep;13(9):822-30.

**Laboratory Reagent For Research Use Only**