

Datasheet



Mouse mAb to **MHC I A**
Clone **108-2C5**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with human PBL.
Fusion partner: NS-1.

Specifications

108-2C5 recognizes an intralocus determinant present on a limited number of HLA-A locus-encoded gene products (HLA-A2, -A3, A28, -A29, -A30, -A31 and -Aw33). Furthermore, by testing its reactivity with HLA-A2 natural variants and mutants, the importance of amino acid residues 79 and/or 80 of the alpha1 domain was demonstrated in the formation of an intralocus HLA-A determinant.

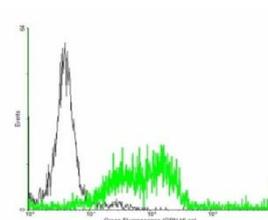


Figure 1: HLA-A expressing 293T cells stained for HLA-A (FACS)

Species reactivity

Positive: human.

Applications

108-2C5 is useful for HLA-A typing of human PBL, leukemia's and leukemic cell lines.

Flow cytometry	Frozen sections
+	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.

Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; an appropriate antigen retrieval method for staining of formalin-fixed tissues has not been established to date).

Positive control

THP-1 and Jurkat cells. Tonsil or lymph node.

References

- Lozano, F. et al., *Immunogenetics* **30**: 50-53 (1989).
- Lozano, F. et al., *Tissue Antigens* **35**: 193-195 (1990).
- Domenech, N. et al., *Human Immunol* **30**: 140-146 (1991).
- Ryschich, E, et al, *Clin Cancer Res.* **11(2 Pt 1)**: 498-504 (2005).