



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Mouse anti HLA Class I

Catalogue number: **MUB2035P**

Clone	BRA-23/9
Isotype	IgG2a
Product Type	Primary Antibodies
Units	0.5ml
Host	Mouse
Species reactivity	Human
Application	Flow cytometry Immunohistochemistry (frozen)

## Distributors

For Purchasing Information, please contact your local distributor

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### Background

The major histocompatibility complex (MHC) is a cluster of genes that play an important role in the immune response. In humans, this complex is referred to as the Human Leucocyte Antigen (HLA) system. There are three major HLA class I genes which are HLA-A, HLA-B and HLA-C. These are highly polymorphic and thousands of alleles are known to exist. The HLA-A, B and C gene products are heterodimeric cell surface glycoproteins which all consist of a 40-45kDa MHC-encoded alpha chain and a non-covalently linked non-MHC encoded light chain (beta-2-microglobulin) of 12kDa. These proteins are found on the surface of almost all nucleated cells and their role is to present peptides, produced by intracellular protein degradation, to cytotoxic T lymphocytes and natural killer cells.

### Source

BRA-23/9 is a mouse monoclonal IgG2a antibody derived by fusion of mouse myeloma cells with cells from a mouse immunized with REH cells, a human pre-B cell leukaemia cell line.

### Product

Each vial contains 500 µl 0.2 mg/ml purified monoclonal antibody in phosphated buffered saline (PBS) containing 50% glycerol + 0.2% bovine serum albumin (BSA) + 0.02% sodium azide.

### Applications

The BRA-23/9 antibody is suitable for the detection of HLA Class I antigen by flow cytometry and Immunohistochemistry on frozen tissues, for example from human tonsil, lymph nodes, as well as lymphocytes. Optimal antibody dilutions for the different applications should be determined by titration.

### Specificity

The antibody BRA-23/9 is directed against a non-polymorphic determinant of human HLA Class I. The antibody has not been tested for cross reactivity with other species.

**Storage**

Store at 4°C, or in small aliquots at -20°C.

**References**

1. Tanaka J, Toubai T, Tsutsumi Y, Miura Y, Kato N, Umehara S, Kahata K, Mori A, Toyoshima N, Ota S, Kobayashi T, Kobayashi M, Kasai M, Asaka M, Imamura M. (2004). Cytolytic activity and regulatory functions of inhibitory NK cell receptor-expressing T cells expanded from granulocyte colony-stimulating factor-mobilized peripheral blood mononuclear cells. *Blood* 104:768-74.
2. Tóth J, Kubes M. (1993). Masking of HLA class I molecules expressed on K-562 target cells can restore their susceptibility to NK cell cytotoxicity. *Immunobiology*. 188:134-44.

**Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.