



# 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

### SZABO-SCANDIC HandelsgmbH

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## Anti- Human HLA-DR (GRB-1)

Fluorochrome	Reference	Size
Pure	HLADRPU-OIMG	100 test
FITC	HLADRF-100T	100 test
PE	HLADRPE-100T	100 test
PerCP	HLADRPP-100T	100 test
APC	HLADRA-100T	100 test
Biotin	HLADRB-OIMG	100 test
CF-Blue	HLADRCFB-100T	100 test
OC515	HLADROC-100T	100 test
APC-C750	HLADRAC750-100T	100 test
PerCP- Cyanine5.5	HLADRPP5.5-100T	100 test

### PRODUCT DESCRIPTION

**Clone:** GRB-1

**Isotype:** IgG2a

**Tested application:** flow cytometry

**Immunogen:** The anti-HLA-DR monoclonal antibody derives from mononuclear cell leukemia acute undifferentiated.

**Species reactivity:** Human

**Storage instruction:** store in the dark at 2-8 °C

**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>).

**Recommended usage:** Immunostep's HLA-DR, clone GRB-1, is a monoclonal antibody intended for the identification and enumeration of all human B cells, monocytes and activated T cells using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using  $\leq 1 \mu\text{g}/10^6$  cells.

**Presentation:** liquid

**Source:** Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

**Purification:** Affinity chromatography.

### ANTIGEN DETAILS

**Large description:** This antibody reacts with the HLA-DR-antigen of human B lymphocytes. The antibody reacts with the cells of the monocytic lineage, with myeloblasts and promyelocytes and the cells of B lymphocyte lineage. Polymorphonuclear leukocytes and platelets are found negative.<sup>(1-6)</sup>

**Other Names:** Major Histocompatibility Class II, MHC class II

**Gene ID:** 3122

**Molecular weight:** 36 kDa

Please, refer to [www.immunostep.com](http://www.immunostep.com) technical support for more information.

### WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

### REFERENCES

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2. Polakova K, Karpatova M. Study of monomorphic determinants on DR molecules of HLA class II antigens. *Neoplasma*1990;37(3):239-51.
3. Sedlak J, Chorvath B. Fluorescent double labeling of normal and malignant hematopoietic cells by monoclonal antibodies (FITC) and anthracycline cytostatic drug (Daunomycin): a cytometric technique for analysis of drug uptake in hematopoietic cell subpopulations. *Neoplasma*1991;38(1):13-20.
4. Dusinsky R, Simon M, Ujhazyova J, Polakova K. [Use of monoclonal antibodies against human HLA II antigens for the detection of bovine B lymphocytes and macrophages]. *Vet Med (Praha)*1992 Sep-Oct;37(9-10):549-54.
5. Mendez R, Serrano A, Jager E, Maleno I, Ruiz-Cabello F, Knuth A, et al. Analysis of HLA class I expression in different metastases from two melanoma patients undergoing peptide immunotherapy. *Tissue Antigens*2001 Jun;57(6):508-19.
6. Paco L, Garcia-Lora AM, Casares C, Cabrera C, Algarra I, Collado A, et al. Total loss of HLA class I expression on a melanoma cell line after growth in nude mice in absence of autologous antitumor immune response. *Int J Cancer*2007 Nov 01;121(9):2023-30.

### MANUFACTURED BY



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