



# 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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## Anti-HLA-DR [L243] Standard Size Ab03368-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2 format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** L243

**Alternative Name(s) of Target:** CD74; HLA class II histocompatibility antigen gamma chain; HLA-DR antigens-associated invariant chain; Ia antigen-associated invariant chain; Ii; p33

**UniProt Accession Number of Target Protein:** P04233

**Published Application(s):** ICC, IP, WB, Block, FC, IF, IHC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing mice with the human B cell line RPMI 8866.

**Specificity:** This antibody reacts with the HLA-DR antigen and does not cross react with HLA-DP or HLA-DQ. This antibody binds a conformational epitope on HLA-DRA which depends on the correct folding of the  $\alpha\beta$  heterodimer. HLA-DR is an MHC class II cell surface receptor encoded by the human leukocyte antigen complex on chromosome 6 region 6p21.31. HLA-DR is also involved in several autoimmune conditions, disease susceptibility and disease resistance. The primary function of HLA-DR is to present peptide antigens, potentially foreign in origin, to the immune system for the purpose of eliciting or suppressing T-(helper)-cell responses that eventually lead to the production of antibodies against the same peptide antigen.

**Application Notes:** This antibody can be used for the immunoprecipitation of HLA-DR and MHC class-II peptides (PMID: 2961843; 11390619). L243 selectively inhibited the in vitro proliferation of Epstein-Barr virus-transformed lymphoblastoid cell lines (LCL) (PMID: 2467753). This antibody was used in a flow cytometric assay to detect the decrease in HLA-DR expression on monocytes which is an indicator of immunosuppression in patients with sepsis and is correlated with increased risk of secondary infection and mortality (PMID: 33432735). Alexa 568 and FITC labelled L243 antibody was used in the immunofluorescent staining of renal microvascular endothelial cells (RMEC) or human kidney tissue (PMID: 12707403). This antibody was also used in the detection of MHC class II protein in a western blot (PMID: 11390619). This antibody can also be used for the immunocytochemical and immunohistochemical analysis of frozen sections of necropsy brain tissue to identify HLA-DR expressing cells (PMID: 1864982).

**Antibody First Published in:** Lampson et al. Two populations of Ia-like molecules on a human B cell line. J

Immunol. 1980 Jul;125(1):293-9. [PMID:6966655](#)

**Note on publication:** Describes the generation of two antibodies against Ia-like molecules on the human B cell line Raji.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.