



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-HLA-DR [L243] Standard Size Ab03368-3.0

This reformatted mouse 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: Mouse IgG2b, 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.