



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-HLA-DR [1D10 (Hu1D10; Apolizumab)] Bulk Size Ab03369-3.0-BT

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Mouse IgG2b, Kappa

**Clone Number:** 1D10 (Hu1D10; Apolizumab)

**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):** IP, therapeutic, FC

**Published Species Reactivity:** Human

**Immunogen:** The original mouse antibody 1D10 was generated by immunizing female BALB/c mice intraperitoneally with human large cell lymphoma HO-85. Humanized version of this antibody was generated by grafting CDRs of the parental mouse antibody onto human framework regions.

**Specificity:** This antibody recognizes a variant epitope on the beta chain of HLA-DR. It can bind some but not all HLA-DR beta chains. The antigen that this antibody binds is expressed on lymphocytes, macrophages, and dendritic (mesenchymal) cells and on most B cell neoplasms. 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 is the humanized version of anti-HLA-DR mouse parental antibody called 1D10. This antibody is capable of recognizing a majority of B-cell malignancies. This antibody is capable of inducing complement-mediated cytotoxicity, antibody dependent cell cytotoxicity and direct apoptosis of B cells expressing HLA-DR. The original mouse version does not possess these characteristics. This antibody has similar affinity to human HLA-DR as compared to its parental mouse antibody (PMID: 11477560). This antibody was also used for the generation of a bispecific antibody in combination with anti-CD3e antibody M291 (Visilizumab) (US6129914).

**Antibody First Published in:** Kostelny et al. Humanization and characterization of the anti-HLA-DR

antibody 1D10. Int J Cancer. 2001 Aug 15;93(4):556-65. [PMID:11477560](#)

**Note on publication:** This paper describes the generation and characterization of the humanized version of anti-HLA DR antibody 1D10.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.