



Datasheet for ABIN2191836 anti-BLA-DQB antibody



[Go to Product page](#)

1 Publication

Overview

Quantity:	100 µg
Target:	BLA-DQB
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This BLA-DQB antibody is un-conjugated
Application:	Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS)

Product Details

Clone:	ER-TR3
Sterility:	0.2 µm filtered

Target Details

Target:	BLA-DQB
Alternative Name:	Major Histocompatibility Complex Class II (BLA-DQB Products)
Background:	The monoclonal antibody ER-TR3 reacts with mouse major histocompatibility complex class II (MHC class II), also known as I-A or I-E. MHC class II molecules are heterodimers of non-covalently associated alpha (31-34 kDa) and beta (26-29 kDa) chains. Major histocompatibility complex class II antigen presentation requires the participation of lysosomal proteases in two convergent processes. First, the antigens endocytosed by the antigen-presenting cells must be broken down into antigenic peptides. Second, class II molecules are synthesized with their

Target Details

peptide-binding site blocked by invariant chain (Ii), and they acquire the capacity to bind antigens only after Ii has been degraded in the compartments where peptides reside. MHC class II molecules present exogenously derived antigen to + CD4 T lymphocytes, which are usually T helper cells. CD4 interacts with non-polymorphic residues of MHC Class II. The monoclonal antibody ER-TR3 is a valuable tool for studying T helper cell interaction with class II positive antigen presenting cells (dendritic cells, B cells and macrophages) and for studying the development of T helper cells since they stain stromal cells in thymus. The level of antigen detected by ER-TR3 differs from strain to strain. The monoclonal antibody ER-TR3 cross reacts with human MHC class II on tonsil. Distribution of ER-TR3 among mouse strains with independent and recombinant haplotypes. Strain Haplotype

Application Details

Application Notes: For immunohistology and flow cytometry dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

Restrictions: For Research Use only

Handling

Buffer: PBS, containing 0.1 % bovine serum albumin and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

Expiry Date: 12 months

Publications

Product cited in: Müller, Peri, Doni, Perruchoud, Landmann, Pasqualini, Mantovani: "High circulating levels of the IL-1 type II decoy receptor in critically ill patients with sepsis: association of high decoy receptor levels with glucocorticoid administration." in: **Journal of leukocyte biology**, Vol. 72, Issue 4, pp. 643-9, (2002) ([PubMed](#)).

Penton-Rol, Orlando, Polentarutti, Bernasconi, Muzio, Introna, Mantovani et al.: "Bacterial lipopolysaccharide causes rapid shedding, followed by inhibition of mRNA expression, of the IL-1 type II receptor, with concomitant up-regulation of the type I receptor and induction of ..." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 162, Issue 5, pp. 2931-8, (1999) ([PubMed](#)).