

DATASHEET

CD4 Rabbit Monoclonal Antibody(ARB909)

CAT. NO. ARB6701

KEY FEATURES

Target	CD4	Clonality	Monoclonal
Clone ID	ARB909	Applications	IHC
Source / Host	Rabbit	Dilution	1:100-1:200
Reactivity	Human	Storage	at-20°C

BACKGROUND

The CD4 molecule is a glycoprotein, belonging to immunoglobulin superfamily that is associated with HLA class II antigen recognition. It is a co - receptor that assists the T - cell receptor (TCR) with an antigen - presenting cell and also interacts directly with MHC class II molecules on the surface of the antigen - presenting cells using its extracellular domain. In lymphatic tissues, the CD4+ T cells are seen in large numbers in the parafollicular zone, while scattered cells are found in the germinal centres and mantle zone. CD4 is also demonstrated in hepatic sinusoidal cells, monocytes and monocytes - derived cells but not expressed on B cells and immature thymocytes. Most mature T - cell lymphomas are CD4 positive with the exception of aggressive NK - cell leukaemia and extranodal NK/T - cell lymphomas: subcutaneous panniculitis - like T - cell lymphoma (which is usually CD8 positive), enteropathy - type T - cell lymphoma and hepatosplenic T - cell lymphoma. CD4 is also expressed in histiocytic sarcomas and Langerhans cell histiocytosis as well as in splenic littoral cell haemangioma. CD4 plays an important role in the classification of lymphocytes in inflammatory lesions and malignant lymphomas.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

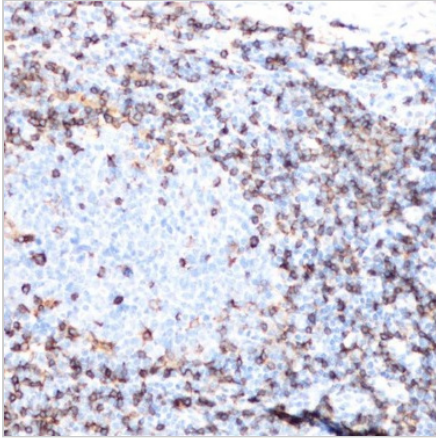
Predicted Molecular Wt	51 kDa
Purity	ProA affinity purified IgG
Subcellular location	Membrane
Swissprot ID	P01730
Immunogen	Synthetic peptide corresponding to CD4 residues within aa200-300
Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%
Recommended method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18° C- 25° C) for 30 minutes.

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Immunohistochemical staining of human tonsil tissue sections using CD4 Rabbit Monoclonal Antibody (ARB909).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com