

DATASHEET

CD4 Rabbit Monoclonal Antibody (ARM888)

CAT. NO. ARM6678

KEY FEATURES

Target	CD4	Clone ID	ARM888
Source / Host	Rabbit	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

Cluster of Differentiation 4 (CD4) is a membrane glycoprotein expressed in T helper cells, monocytes, macrophages, granulocytes, and dendritic cells, and is a receptor of human immunodeficiency virus (HIV). CD4 staining is used for identifying lymphoproliferative disorders. Since the majority of peripheral T-cell lymphomas arise from the T helper cell subset, CD4 expression can be found in most forms of T-cell lymphomas as well as anaplastic large T-cell lymphomas and mycosis fungoides. Since CD4 may be aberrantly expressed in neoplastic T-lymphocytes, a panel of markers may be used to identify such tumours. CD4(+) CD25(+) T-cells are reported to exert immunosuppression, which is commonly observed in various types of cancers, including non-small cell lung cancer and cancers of the breast, prostate, and ovary.

APPLICATION

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

Application	IHC
Dilution Ratio	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	IgG
Positive Control	Tonsil, Lymph Node
Localization	Membranous
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	CD4
Entrez Gene ID	920
Uniprot	P01730
Alternative Names	T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; CD4

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

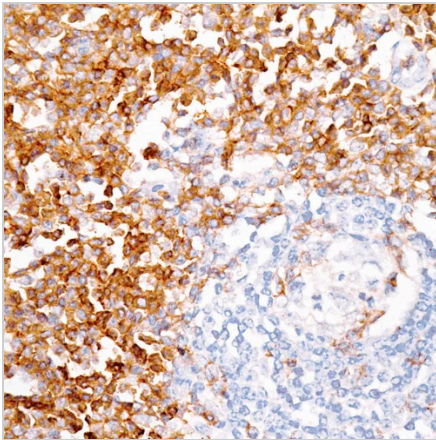
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

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

DATA

Immunohistochemical staining of human tonsil tissue sections using CD4 Rabbit Monoclonal Antibody (ARM888).

RESEARCH USE ONLY

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

More information: [www.arexbio.com / cd4-mouse-monoclonal-antibody-arm888-arm6678](http://www.arexbio.com/cd4-mouse-monoclonal-antibody-arm888-arm6678)