

CD4 recombinant antibody

Anti-CD4 [CE9.1 (Clenoliximab)]

CATALOG #	REACTIVITY	APPLICATIONS
AAA71956	Human, Chimpanzee	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

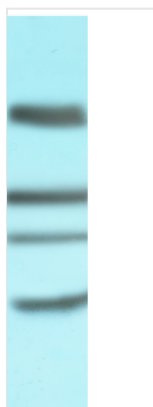
PRODUCT SYNONYMS

CD4; Anti-CD4 [CE9.1 (Clenoliximab)]; p55; T cell surface antigen T4/Leu-3.; CD4 recombinant antibody

PRODUCT SPECIFICATIONS

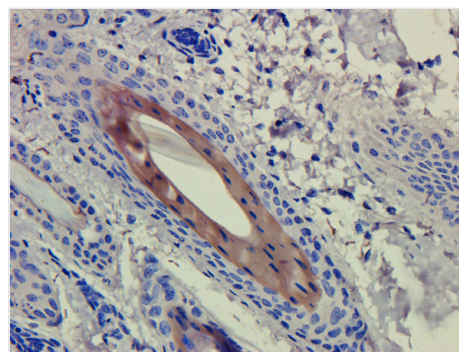
Reactivity	Human, Chimpanzee
Isotype	Human IgG4, lambda
Clone Number	CE9.1 (Clenoliximab)
Specificity	The antibody binds to human CD4 with a Kd of 1.0 nM and an ED50 of 0.2 ug/ml.
Purity/Purification	Protein A Affinity Purified
Sequence Length	458
Applicable Applications for CD4 recombinant antibody	IHC (Immunohistochemistry), Blocking, FCM/FACS (Flow Cytometry), ELISA
Buffer Composition	PBS only with 0.02% Proclin 300.
Immunogen	Domain 1 of human CD4.
Chimeric Use Statement	NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar. This reformatted human antibody was made using the variable domain sequences of the original Human IgG4 (primatized) format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western Blot using anti-CD4 antibody CE9.1 (Clenoliximab) Human thyroid tumour samples were resolved on a 15% SDS PAGE gel and blots probed with the human IgG4-chimeric version of CE9.1 at 1.5 ug/ml before detection using an anti-human IgG4 secondary antibody. Protein was detected by chemiluminescence. The expected unmodified running size for CD4 is 51kDa (arrowhead). Here some non-specific bands can also be seen. successfully detected CD4 in human thyroid tissue samples.



IHC (Immunohistochemistry)

Immunohistochemical staining of guinea pig skin using anti-CD4 antibody CE9.1 (Clenoliximab) Anti-CD4 staining of formaldehyde fixed paraffin embedded guinea pig skin tissue, at 40x magnification. The human IgG4-chimeric version of CE9.1 (Clenoliximab) was used to stain samples at a concentration of 3 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for CD4 recombinant antibody	Recombinant monoclonal antibody to CD4. Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the hybridoma CE9.1 (Clenoliximab). NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar. This reformatted human antibody was made using the variable domain sequences of the original Human IgG4 (primatized) format, for improved compatibility with existing reagents, assays and techniques.
Product Categories/Family for CD4 recombinant antibody	Immunology ; Immunosuppression ; Rheumatology ; Biosimilar
References	Newman et al. Primatization of recombinant antibodies for immunotherapy of human diseases: a macaque/human chimeric antibody against human CD4. Biotechnology (NY). 1992 Nov; 10(11):1455-60. PMID:1369023

NCBI AND UNIPROT INFORMATION

NCBI GI #	116013
NCBI GeneID	920
UniProt Accession #	P01730 ; Q4ZGK2 ; Q5U066 ; Q9UDE5 ; B2R737 ; D3DUS5
Molecular Weight	51,111 Da
NCBI Official Full Name	T-cell surface glycoprotein CD4
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Official Synonym Symbols	CD4mut
NCBI Protein Information	T-cell surface glycoprotein CD4
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	CD4
UniProt Entry Name	CD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/chimpanzee-human-recombinant-antibody/cd4/71956>