

Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

MOUSE ANTI DUCK CD4

CATALOG # AAA49382	HOST Mouse	APPLICATIONS Immunoprecipitation, Flow Cytometry, Functional Assay
------------------------------	----------------------	--

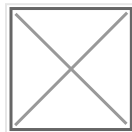
PRODUCT SYNONYMS

CD4; Monoclonal Antibody; MOUSE ANTI DUCK CD4; anti-CD4 antibody

PRODUCT SPECIFICATIONS

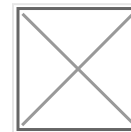
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	Du CD4-2
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	71
Applicable Applications for anti-CD4 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Immunogen	293T cells expressing Pekin duck CD4 Fusion Partners
Target Species	Duck
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Published customer image: T lymphocytes in PBLs following DPV gC DNA vaccination. 3, 5, 7, 14, 28, 42 days after vaccination, the isolated PBLs were stained with monoclonal antibodies against duck CD4 (A), and CD8 (B). The results presented are the mean of all specimens of each group +/- SD. From: Lian B, Cheng A, Wang M, Zhu D, Luo Q, Jia R, Liu F, Han X, Chen X. Induction of immune responses in ducks with a DNA vaccine encoding duck plague virus glycoprotein C. Virol J. 2011 May 10;8:214.



Application Data

Published customer image: T lymphocytes in PBL following DEV UL24 DNA vaccination. 1, 2, 3, 4, 6, 8 weeks after vaccination, the isolated PBL were stained with monoclonal antibodies against duck CD4 (A) and CD8 (B). The results presented are the mean of all specimens of each group. Statistical significance was determined using a student's t-test. From: Yu X, Jia R, Huang J, Shu B, Zhu D, Liu Q, Gao X, Lin M, Yin Z, Wang M, Chen S, Wang Y, Chen X, Cheng A. Attenuated Salmonella typhimurium delivering DNA vaccine encoding duck enteritis virus UL24 induced systemic and mucosal immune responses and conferred good protection against challenge. Vet Res. 2012 Jul 6;43:56.

ADDITIONAL INFORMATION

Related Product Information for anti-CD4 antibody	Mouse anti Duck CD4 antibody, clone Du CD4-2 recognizes Pekin duck CD4, shown to be expressed by thymocytes, splenocytes and peripheral lymphoid cells. Since the majority of avian immune studies have been carried out on chickens, relatively little is known about the immune system of ducks, though there is a resemblance between the main lymphoid organs, the spleen, thymus and bursa of Fabricius. At the cellular level, studies have shown that like mammalian T cells, duck lymphocytes are responsive to phytohaemagglutinin (PHA), and all cells reacting with clone Du CD4-2 have been identified as CD3+ T cells (Kothlow et al. 2005). Clone Du CD4-2 can be used to identify duck T helper cells. This antibody has been shown to not react with Mallard.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	3947700
NCBI GeneID	920
UniProt Accession #	Q13969; P01730
Molecular Weight	7,844 Da
NCBI Official Full Name	CD4, partial
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Official Synonym Symbols	CD4mut
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 antigen (p55); CD4 receptor; T-cell surface antigen T4/Leu-3
UniProt Protein Name	CD4 protein
UniProt Gene Name	CD4
UniProt Entry Name	Q13969_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.