

Mouse anti-Chicken CD8 alpha Monoclonal Antibody | anti-cd8a antibody

Mouse Anti-Chicken CD8a-FITC

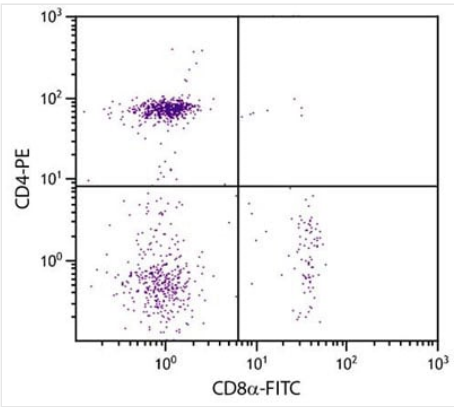
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78708	Mouse	Chicken	Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

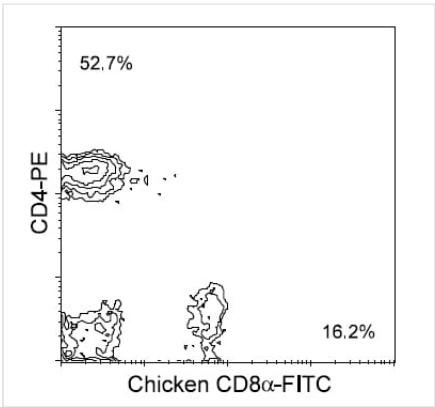
CD8 alpha; Monoclonal Antibody; Mouse Anti-Chicken CD8a-FITC; Mouse Anti-Chicken CD8a - FITC; Mouse Anti-Chicken CD8 alpha; anti-cd8a antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Chicken
Clonality	Monoclonal
Isotype	Mouse (BALB/c) IgG2b&kappa
Clone Number	EP72
Specificity	alpha chain of chicken CD8 (Mr 34 kDa) In the chicken, the CD8 molecule is present in two forms: (i) a homodimer of two alpha chains, and (ii) a heterodimer of an alpha chain and a beta chain.^{1,2} Chicken CD8 is expressed on approximately 80% of thymocytes, 15% of blood mononuclear cells and 50% of spleen cells, but <1% of cells in the bursa and bone marrow.¹ While the vast majority of CD8+ cells in the thymus, spleen, and blood of adult chickens express both CD8 alpha - and CD8 beta -chains, a relatively large proportion of the CD8+ TCR- gamma delta cells in the spleens of embryos and young chicks express only the alpha -chain of CD8. Among intestinal epithelial lymphocytes, the major CD8+ T cell populations present in mice are conserved, but there is a population of TCR- gamma delta CD8 alpha beta cells in the chicken that is not found in rodents.³ MAb EP72 recognizes the CD8 alpha chain.
Form/Format	Fluorescein (FITC) Conjugate
Sequence Length	216
Applicable Applications for anti-cd8a antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Chicken splenocytes
Characterization	To ensure acceptable performance, each batch of monoclonal antibody is tested by flow cytometry to conform to characteristics of a standard reference reagent.
Preparation and Storage	The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN ₃ . Store at 2-8 degree C.



Application Data
Chicken peripheral blood lymphocytes were stained with Mouse Anti-Chicken CD8α-FITC and Mouse Anti-Chicken CD4-PE .



Application Data

ADDITIONAL INFORMATION

References	1. Chan, M.L., C.-L. Chen, L. Ager, and M.D. Cooper. 1988. Identification of the avian homologues of mammalian CD4 and CD8 antigens. J. Immunol. 140:2133-2138. 2. Cooper, M.D., R.P. Bucy, and C.-L. Chen. 1990. In: The Avian Model in Developmental Biology: From Organism to Genes. Editions du CNRS, pp. 239-249. 3. Tregaskes, C.A., F. Kong, E. Paramithiotis, C.-L. Chen, M.J.H. Ratcliffe, T. F. Davison, and J.R. Young. 1995. Identification and analysis of the expression of CD8?? and CD8?? isoforms in chickens reveals a major TCR?? CD8?? subset of intestinal intraepithelial lymphocytes. J. Immunol. 154:4485-4494.
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	91176308
NCBI GeneID	677754
NCBI Accession #	NP_001035138.1
NCBI GenBank Nucleotide #	NM_001040049.1
UniProt Accession #	Q24JW8; Q5H7M0
NCBI Official Full Name	CD8 antigen, alpha polypeptide
NCBI Official Synonym Full Names	CD8 antigen, alpha polypeptide
NCBI Official Symbol	cd8a
NCBI Official Synonym Symbols	MGC136643; zgc:136643
NCBI Protein Information	CD8 antigen, alpha polypeptide; CD8 alpha
UniProt Protein Name	CD8 antigen, alpha polypeptide
UniProt Gene Name	cd8a
UniProt Entry Name	Q24JW8_DANRE

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.