

Rabbit anti-Human CD8 Monoclonal Antibody | anti-CD8 antibody

Anti - CD8

CATALOG # AAA79000	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

CD8; Monoclonal Antibody; Anti - CD8; anti-CD8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	P17-V
Specificity	Human
Sequence Length	235
Applicable Applications for anti-CD8 antibody	IHC (Immunohistochemistry)
Buffer	20 mM Tris-HCl, pH 8.0
Stabilizer	20 mg/ml BSA
Preservative	0.05% NaN3
Immunogen	Peptide derived from C-terminal region of human CD8. Antibody recognizes the epitope between Pro218 - Tyr234 of CD8-alpha human protein.
Positive control	human tonsil tissue
Cellular localization	membrane

IHC-P Protocol–Istruction Manual	1. Deparaffinize the section in 3 changes of xylene, 5 minutes each. 2. Wash the section in 96%, 80% and 70% ethyl alcohol for 10 minutes each. 3. Rinse in distilled water. 4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H2O2) for 10 minutes. 5. Wash in distilled water. 6. For antigen retrieval: immerse the slide in Tris-EDTA buffer, pH 9.0, 0.05% Tween-20*, and incubate in water bath at 96-98 degree C for 20-25 minutes. 7. Transfer the slide to room temperature and let it cool down for 15 minutes in the buffer used in the step #6 8. Rinse in distilled water. 9. Wash in 0.05 M Tris-HCl, pH 7.6 buffer supplemented with 0.2% of Tween-20 (buffer A) for 5 minutes. 10. Ready to use (RTU): Incubate the section with primary antibody (ready to use) for 1 hour in a closed wet chamber. 11. Wash twice 5 minutes with buffer A. 12. Apply the secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol. 13. Wash twice 5 minutes with buffer A. 14. Apply the chromogen (DAB), 1 -3 minutes. 15. Wash in water –10 minutes. 16. Stain in hematoxylin for 5 minutes. 17. Wash in water –10 minutes. 18. Dehydrate the section in 2 changes of 96% ethyl alcohol for 5 minutes each. 19. Wash the section in 2 changes of xylene for 2 minutes each. 20. Mount the slide for observation.
Precautions	1. We strongly recommend to use DB Primary Antibody Diluent eventually alternative diluent (containing protease free BSA at the concentrations 1mg/ml) for dilution of concentrated antibodies, otherwise the warranty might be voided. 2. Centrifuge the vial before use. 3. Intended for professional use in laboratories. 4. Do not use after expiration date stamped on vial label. 5. Avoid contamination of the reagent. 6. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results. 7. The reagent contains sodium azide (NaN3) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous. 8. Disposal of waste material must be conducted in accordance with local regulations. 9. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
Preparation and Storage	Store at +4°C. Do not freeze!

IMAGES



IHC (Immunohistochemistry)

CD8 expression in T-lymphocytes of the palatine tonsil. Formalin fixed, paraffin embedded human tissue (4 μm section) stained with anti -CD8 (AAA79000) monospecific clonal antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	116035
NCBI GeneID	925
UniProt Accession #	P01732 ; Q13970 ; Q4ZG17 ; D6W5M8
NCBI Official Full Name	T-cell surface glycoprotein CD8 alpha chain
NCBI Official Synonym Full Names	CD8a molecule
NCBI Official Symbol	CD8A
NCBI Official Synonym Symbols	CD8; MAL; p32; Leu2

NCBI Protein Information	T-cell surface glycoprotein CD8 alpha chain; T8 T-cell antigen; T cell co-receptor; OKT8 T-cell antigen; T-cell antigen Leu2; Leu2 T-lymphocyte antigen; CD8 antigen, alpha polypeptide (p32); T-lymphocyte differentiation antigen T8/Leu-2
UniProt Protein Name	T-cell surface glycoprotein CD8 alpha chain
UniProt Gene Name	CD8A
UniProt Synonym Gene Names	MAL
UniProt Entry Name	CD8A_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/monoclonal/cd8-antibody-clone-p17-v-immunohistochemistry-elisa/79000>