

CD8

Catalog # RB-9009-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)

Catalog # RB-9009-R7 (7.0ml)

Catalog # RB-9009-PCS

INTENDED USE:

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** CD8 molecule consists of two chains, termed alpha and Beta chain, which are expressed as a disulphide-linked alpha/Beta heterodimer or as an alpha/alpha homodimer on T cell subset, thymocytes and NK cells. The majority of CD8+ T cells express CD8 as alpha/Beta heterodimer. CD8 functions as a coreceptor in concert with TCR for binding the MHC class I/peptide complex. The HIV-2 envelope glycoprotein binds CD8 alpha chain (but not Beta chain).
- **Expected Staining Pattern:** Cell membrane
- **Positive Control:** Tonsil

MATERIALS PROVIDED:

CD8 (refer to catalog number):

- #RB-9009-P (or -P0, -P1): 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
or
- #RB-9009-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
or
- #RB-9009--PCS: 5 positive control slides.
- **Antibody Concentration:** 200ug/ml
- **Host:** Rabbit
- **Epitope:** C-terminus
- **Species Reactivity:** Human. Others not tested.
- **Ig Isotype / Light Chain:** IgG
- **Immunogen:** Synthetic peptide sequence comprising the 13 C-terminal amino acids of the cytoplasmic domain of alpha chain of the CD8 molecule.
- **Microbiological State:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED:

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

METHODS AND PROCEDURES:

Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:1000 in antibody diluent
Tissue Section Pretreatment	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min.
Primary Antibody Incubation Time	30 minutes at Room Temperature
Visualization	To detect antibody, follow the instructions provided with the visualization system.

STORAGE and STABILITY:

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.