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DATA SHEET

Rabbit Anti-CD8 [CD8/4391R]: RM0409, RM0409RTU7

Intended Use: For Research Use Only

Description: The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that serves as a coreceptor for TCR recognition of MHC class I associated peptides and supports CTL activation by binding to the MHC, while making no direct contact with the peptide.CD8 is expressed on cytotoxic suppressor T cells. It is expressed as a disulphide-linked α/β heterdimer or as an α/α homodimer on T cell subset, thymocytes and NK cells. In normal human tonsil, large numbers of CD8+ lymphocytes were present within the paracortex; occasionally positive cells were also identified within germinal centers and within the investing squamous epithelium. In other tissues, only lymphoid cells and cells of histiocyte lineage showed positive staining for CD8. CD8 alpha chains bind to class I MHC molecules alpha-3 domains. Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency). Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.

Specifications

Clone:	CD8/4391R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Synthetic peptide corresponding to CD8α residues within aa135-235 of CD8α
Localization:	membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

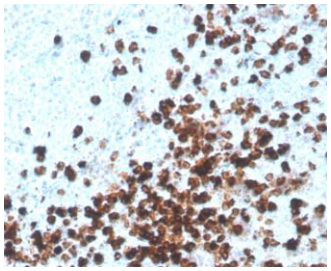
Package:

Description	Catalog No.	Size
CD8 Concentrated	RM0409	1 ml
CD8 Prediluted	RM0409RTU7	7 ml

IHC Procedure

Positive Control:	Tonsil
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-CD8 using DAB

References:

1. OX40 expression enhances the prognostic significance of CD8 positive lymphocyte infiltration in colorectal cancer. Weixler B, et al. Oncotarget. Nov 10;6(35):37588-99, 2015.
2. Intratumoral CD8+ Lymphocyte Infiltration as a Prognostic Factor and Its Relationship With Cyclooxygenase 2 Expression and Microsatellite Instability in Endometrial Cancer. Suemori T, et al. Int J Gynecol Cancer. 2015 Sep;25(7):1165-72, 2015.

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