MEBEP TECH(HK) Co., Limited
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CD4 Monoclonal antibody

Product Number: ATB0031

Shipping and Storage

Store at -20°C. Stable for one year after shipment. Storage Buffer:PBS with 0.02% sodium azide and 50% glycerol, pH7.3. Aliquoting is unnecessary for -20°C storage.

Component

Component	ATB0031-100μL	ATB0031-150μL
CD4 Monoclonal antibody	100μL	150μL

Description

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, majority of thymocytes, monocytes, macrophages, and dendritic cells. CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation. CD4 serves as a receptor for the human immunodeficiency virus (HIV) .

Basic Information

1. Source: Mouse
2. Isotype: IgG1
3. Immunogen Catalog Number: AG30870
4. GenBank Accession Number: BC025782
5. GeneID (NCBI): 920
6. ENSEMBL Gene ID: ENSG00000010610
7. UNIPROT ID: P01730
8. Full Name: CD4 molecule
9. Calculated MW: 51 kDa
10. Purification Method: Protein G purification
11. CloneNo.:2H4A2
12. Recommended Dilutions: IHC: 1:450-1:1800; IF-P: 1:200-1:800.

Application

1. Tested Applications: IHC, IF-P, ELISA
2. Cited Applications: IHC, IF, ELISA
3. Species Specificity: human
4. Cited Species: human, pig
5. Positive Controls: IHC : human tonsillitis tissue, human colon tissue, human liver tissue, human thymus tissue; IF-P : human tonsillitis tissue,
6. Note-IHC: suggested antigen retrieval with te buffer pH 9.0; Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0.

Selected Validation Data

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using CD4 antibody at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

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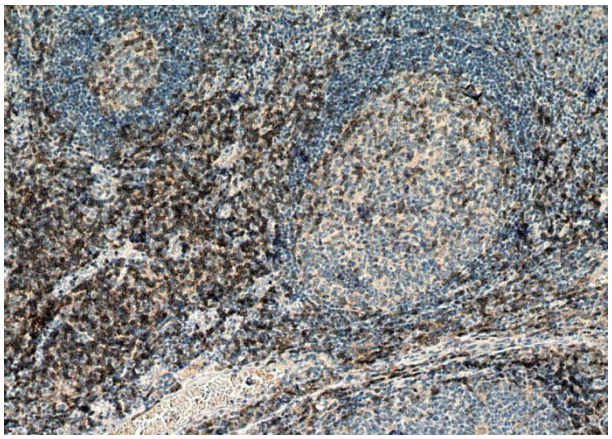
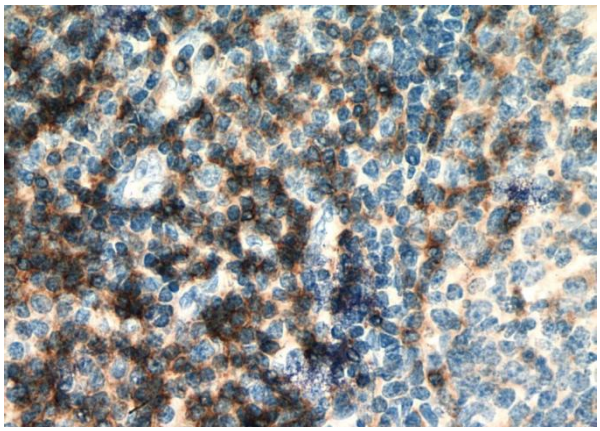
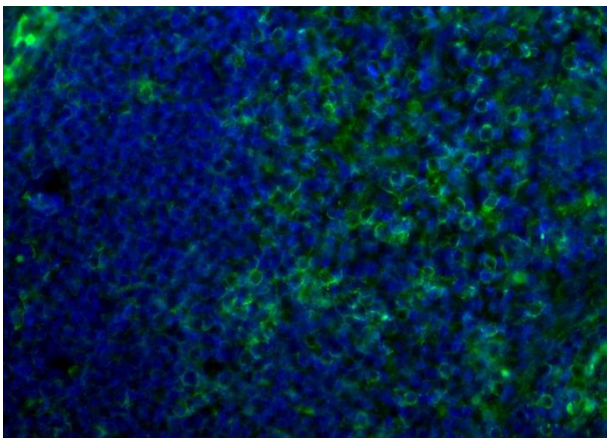


Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using CD4 antibody at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD4 antibody at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).