ANTIBODY VALIDATIONS:

1. <u>FOXP3 (236A/E7, 1:100 Biocare).</u>

Product name:
Anti-FOXP3 antibody [236A/E7]
Description:
Mouse monoclonal [236A/E7] to FOXP3
Specificity:
The epitope recognized by FOXP3 antibody [236A/E7] (ab20034) is between amino acids 105-236. FOXP3 antibody [236A/E7] (ab20034) is expected to detect full length FOXP3 as well as both cleaved forms.
Tested applications
Suitable for: mIHC, IHC-P, WB
Species reactivity
Reacts with: Human
Immunogen
Recombinant full length protein corresponding to Human FOXP3.
Positive control
IHC-P: Human tonsil and thymus tissue. mIHC: Human breast cancer tissue.
Reference (over 500)
Roncador G, et al. FOXP3, a selective marker for a subset of adult T-cell leukaemia/lymphoma. Leukemia. 2005 Dec; 19(12):2247-53.

2. <u>Programmed death ligand-1 (PD-L1, 1:400, E1L3N, Cell Signaling)</u>

Product name:
Anti-PD-L1 antibody [E1L3N]
Description:
Rabbit IgG
Specificity:
Human PD-L1
Tested applications
Suitable for: mIHC, IHC-P, WB
Species reactivity
Reacts with: Human
Immunogen
Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human PD-L1 protein.
Positive control
IHC: human lung cancer, human placenta, cell pellets expressing PD-L1
References (over 800)
Akhilesh Mishra et al., Non-invasive PD-L1 quantification using [18F]DK222-PET imaging in cancer immunotherapy. J Immunother Cancer. 2023 Oct;11(10):e007535.

3. <u>CD8 (4B11, 1:500, Leica)</u>

Product name:
Anti-CD8 antibody
Description:
Mouse IgG
Specificity:
Human CD8
Tested applications

Suitable for: IHC
Species reactivity
Reacts with: Human
Immunogen
Synthetic peptide derived from the carboxy terminal region of the human CD8 alpha chain coupled to a N-terminal cysteine, with the sequence C-KSDGKPSLSARYV (amino acid range 223-235).
Positive control
IHC: Human lymph node, T cell lymphoma, human tonsil
References
O'Connor MH et al. A follicular regulatory Innate Lymphoid Cell population impairs interactions between germinal center Tfh and B cells. " Communications biology, 2021.

4. PAX8 (EPR18715, 1:1000, Abcam)

Product name:
Anti-PAX8 antibody
Description:
Rabit monoclonal
Specificity:
Human PAX8
Tested applications
Suitable for: IHC
Species reactivity
Reacts with: Human
Immunogen
Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control
IHC: Human thyroid carcinoma and endometrium carcinoma tissues.
References
Li M et al. Novel Missense Variants in PAX8 and NKX2-1 Cause Congenital Hypothyroidism. Int J Mol Sci 24:N/A (2023).

5. PD-1 (EPR4877(2), 1:400, Abcam)

Product name:
Anti-PD-1 antibody
Description:
Rabit monoclonal
Specificity:
Human PD-1
Tested applications
Suitable for: IHC
Species reactivity
Reacts with: Human
Immunogen
Synthetic peptide within Human PD1 aa 1-100. The exact sequence is proprietary.
Positive control
IHC: Human tonsil tissue.
References

Nakamura M et al. Tertiary Lymphoid Structures and Chemokine Landscape in Virus-Positive and Virus-Negative Merkel Cell Carcinoma. Front Oncol 12:811586 (2022).

6. <u>TOX (E6I3Q, 1:7000, Cell Signaling)</u>

Product name:
Anti-TOX antibody
Description:
Rabit monoclonal
Specificity:
Human, rat, and mouse TOX
Tested applications
Suitable for: IHC
Species reactivity
Reacts with: Human, rat, mouse
Immunogen
Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala522 of human Tox protein.
Positive control
IHC: Human colon cancer, human renal cancer, human gastric cancer, human spleen
References
Cheng et al., Identification of Differentially Expressed Genes and Prediction of Expression Regulation Networks in Dysfunctional Endothelium. Genes (Basel). 2022 Aug 30;13(9):1563.