

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Monoclonal Antibody

Catalog Number: M00178

About PDCD1

PDCD-1 (programmed cell death-1 protein), also designated CD279, is a type I transmembrane receptor and a member of the immunoglobulin gene superfamily. It is expressed on activated T-cells, B-cells, and myeloid cells. Anti-PDCD-1 is a marker of angioimmunoblastic lymphoma and suggests a unique cell of origin for this neoplasm. Unlike CD10 and BCL6, PDCD-1 is expressed by few B-cells, so anti-PDCD-1 may be a more specific and useful diagnostic marker in angioimmunoblastic lymphoma. In addition, PDCD-1 expression provides evidence that angioimmunoblastic lymphoma is a neoplasm derived from germinal center-associated T-cells.

Overview

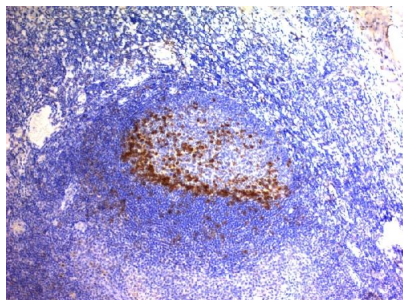
Product Name	Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Monoclonal Antibody (Catalog # M00178). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: SPM597
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	Q15116

Technical Details

Immunogen	Recombinant full-length human PDCD1 protein
Predicted Reactive Species	Chimpanzee
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml

Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry (1-2ug/million cells)</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p>

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Monoclonal Antibody (M00178) Images



Formalin-fixed, paraffin-embedded human Tonsil stained with Anti-PD1 (CD279) Monoclonal Antibody (SPM597).

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