Product name: Anti-ICOS antibody [SP98]
Description: Rabbit monoclonal [SP98] to ICOS
Host species: Rabbit
Tested applications: Suitable for: IHC-P
Species reactivity: Reacts with: Human
Predicted to work with: Mouse
Immunogen: Synthetic peptide within Human ICOS aa 150 to the C-terminus (C terminal). The exact sequence is proprietary.
Database link: Q9Y6W8
Positive control: IHC-P: Human lymph node, pancreatic adenocarcinoma, thymus and tonsil tissue.
General notes: This product is a recombinant rabbit monoclonal antibody.

Properties
Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.60
Preservative: 0.1% Sodium azide
Constituents: PBS, 1% BSA
Purity: Protein A/G purified
Purification notes: Purified from TCS by protein A/G.
Clonality: Monoclonal
Clone number: SP98
Isotype: IgG

Applications
Enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. Does not up-regulate the production of interleukin-2, but superinduces the synthesis of interleukin-10. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40-mediated class switching of immunoglobulin isotypes.

Activated T-cells. Highly expressed on tonsillar T-cells, which are closely associated with B-cells in the apical light zone of germinal centers, the site of terminal B-cell maturation. Expressed at lower levels in thymus, lung, lymph node and peripheral blood leukocytes. Expressed in the medulla of fetal and newborn thymus.

Immunedeficiency, common variable, 1

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

N-glycosylated.

Secreted and Cell membrane.

Formalin-fixed, paraffin-embedded human tonsil tissue stained for ICOS using ab105227 at 1/100 dilution in immunohistochemical analysis.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICOS antibody [SP98] (ab105227)

ab105227, at 1/100 dilution, staining ICOS in formalin-fixed, paraffin-embedded Human reactive lymph node tissue by Immunohistochemistry.

Formalin-fixed, paraffin-embedded human pancreatic adenocarcinoma tissue stained for ICOS using ab105227 at 1/100 dilution in immunohistochemical analysis.

Formalin-fixed, paraffin-embedded human thymus tissue stained for ICOS using ab105227 at 1/100 dilution in immunohistochemical analysis.

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