

Product datasheet for **SM1102P**

CD40 Mouse Monoclonal Antibody [Clone ID: LOB7/6]

Product data:

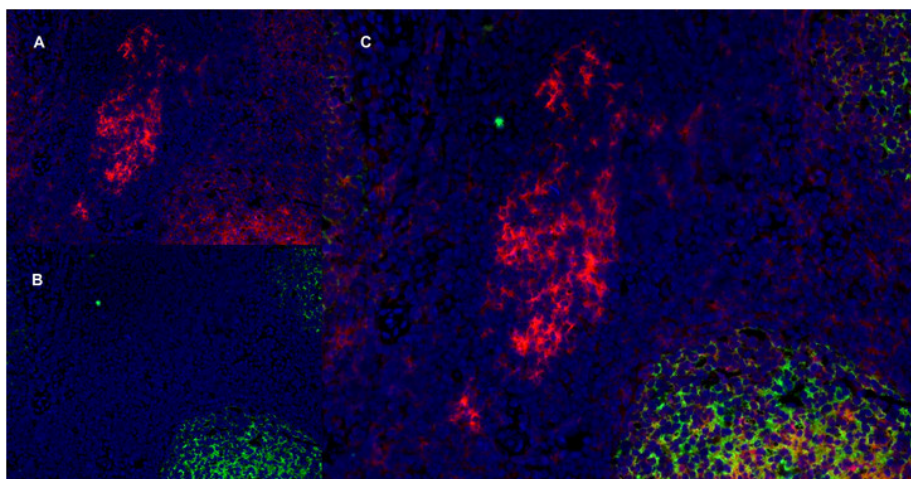
Product Type:	Primary Antibodies
Clone Name:	LOB7/6
Applications:	FC, IF, IHC, IP
Recommended Dilution:	<p>Flow Cytometry: Use 10 µl of 20 µg/ml diluted antibody to label 10⁶ cells in 100 µl.</p> <p>Immunohistochemistry on Frozen sections: 1-10 mg/ml.</p> <p>Immunohistochemistry on Paraffin sections: 1-10 µg/ml. This product requires protein digestion pre-treatment of paraffin embedded sections prior to staining eg. pronase or trypsin.</p> <p>Recommended Positive Control: Human Tonsil.</p> <p>Immunoprecipitation.</p>
Reactivity:	Canine, Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	<p>CD40 Ig(Fc) fusion protein containing the EC region of human CD40 and Fc region of Human IgG.</p> <p>Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.</p>
Specificity:	This antibody Clone LOB7/6 recognizes the CD40 cell surface antigen.
Formulation:	<p>Tris buffered saline containing 0.09% Sodium Azide as preservative</p> <p>State: Purified</p> <p>State: Liquid purified IgG fraction</p>
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	<p>Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.



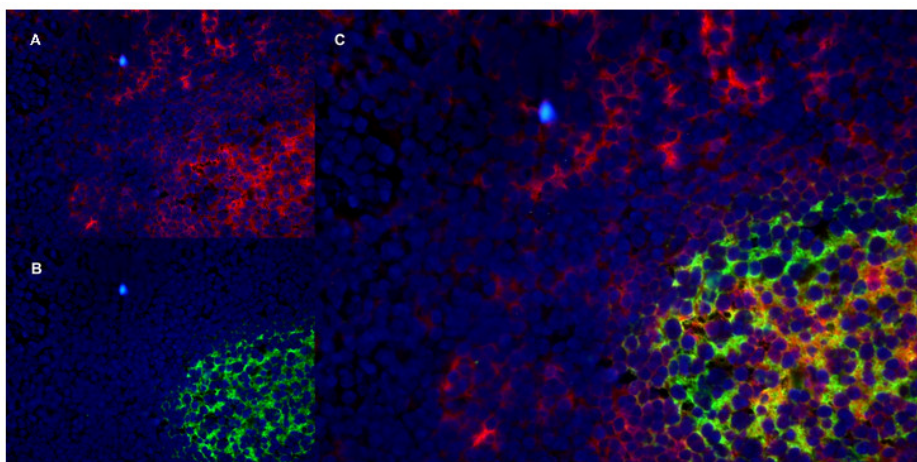
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Gene Name:	CD40 molecule
Database Link:	Entrez Gene 958 Human P25942
Background:	CD40 is a 48kD glycoprotein expressed by B lymphocytes and weakly by some monocytes. CD40 is involved in the process of B cell selection in germinal centres, and is vital in T cell-B cell interactions.
Synonyms:	TNFRSF5, CDw40, Bp50

Product images:



Immunofluorescence staining of a human tonsil cryostat section with Mouse anti Human CD40 antibody, clone LOB7/6, red in A and Mouse anti Human CD21 antibody, clone LB21, green in B. The merged image is C with nuclei counterstained blue using DAPI. Medium power.



Immunofluorescence staining of a human tonsil cryostat section with Mouse anti Human CD40 antibody, clone LOB7/6, red in A and Mouse anti Human CD21 antibody, clone LB21, green in B. The merged image is C with nuclei counterstained blue using DAPI. High power.