

Product Datasheet

Anti-CD52 [Alemtuzumab (Campath-1H)] (orb1152527)

Catalog Number	orb1152527
Category	Antibodies
Description	Rat monoclonal antibody to CD52
Target	CD52
Clonality	Monoclonal
Species/Host	Human
Isotype	Human IgG2b
Conjugation	Unconjugated
Reactivity	Human, Primate
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	Human lymphocytes.
UniProt ID	P31358
Tested applications	ELISA, FC, IHC-Fr, IHC-P, WB

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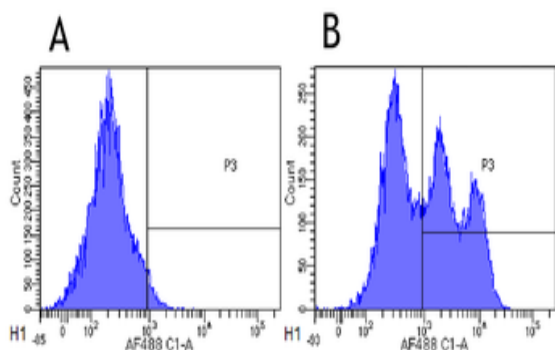
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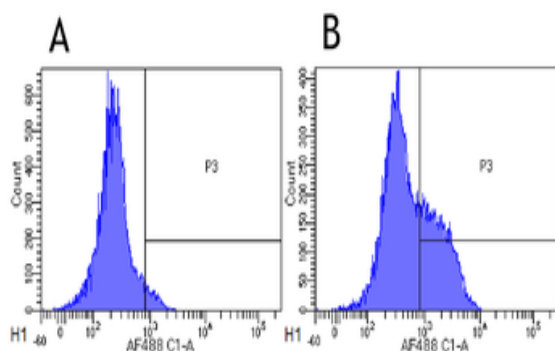
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Specificity	Human CD52 antigen, also known as CAMPATH-1. CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable.
Clone Number	Alemtuzumab (Campath-1H)
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow-cytometry using anti-CD52 antibody Campath-1H Cynomolgus monkey lymphocytes were stained with an isotype control (orb256390, panel A) or the rabbit-chimeric version of Campath-1H (orb411594, panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.



Flow-cytometry using anti-CD52 antibody Campath-1H Rhesus monkey lymphocytes were stained with an isotype control (orb256390, panel A) or the rabbit-chimeric version of Campath-1H (panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.

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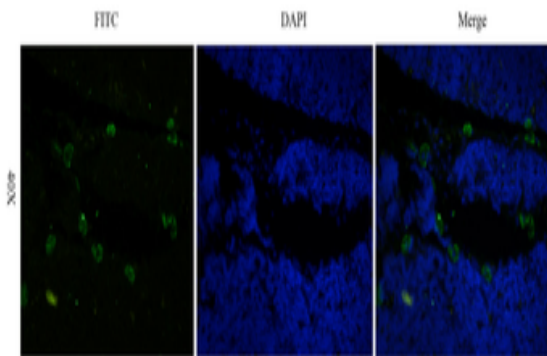
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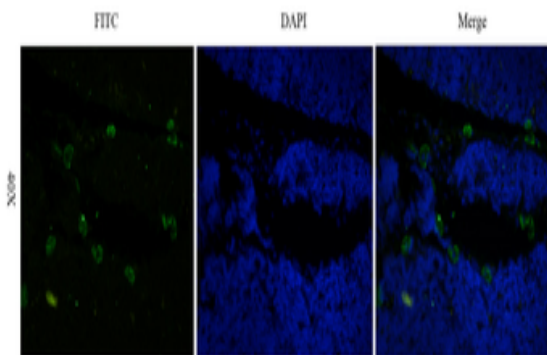
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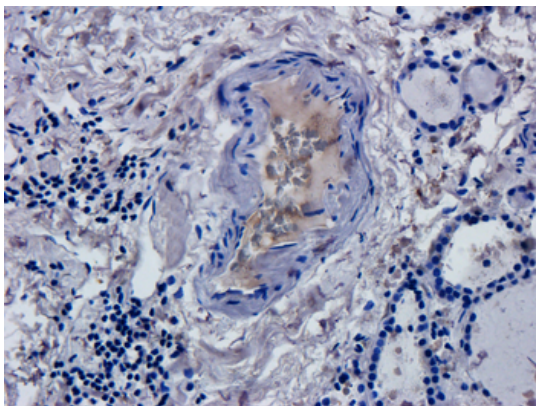
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Immunofluorescence staining of fixed rat thymus tissue with anti-CD52 antibody Campath-1H. Immunofluorescence analysis of fixed rat thymus tissue stained with the chimeric human IgG1 version of Campath-1H (orb348863) at 5 μ g/ml followed by a FITC conjugated secondary antibody, showing membrane and cytoplasmic staining of a subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right; orb348863 (FITC), DAPI and merged channels.



Immunofluorescent staining of rat thymus using anti-CD52 antibody. Formaldehyde-fixed rat thymus slices were stained with orb348863 at 5 μ g/ml and detected with a FITC-conjugated secondary antibody.



Immunohistochemical staining of human thyroid cancer using anti-CD52 antibody. Formalin fixed human thyroid cancer slices were stained with a orb348863 at 5 μ g/ml.

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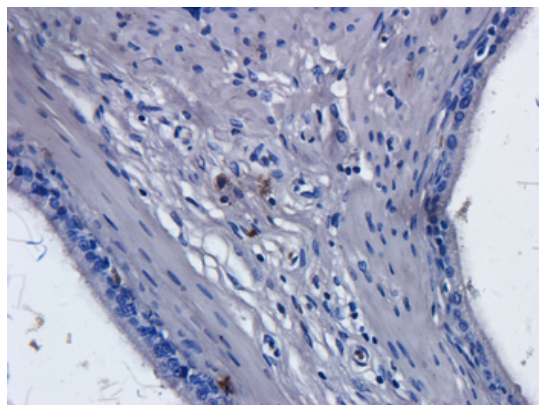
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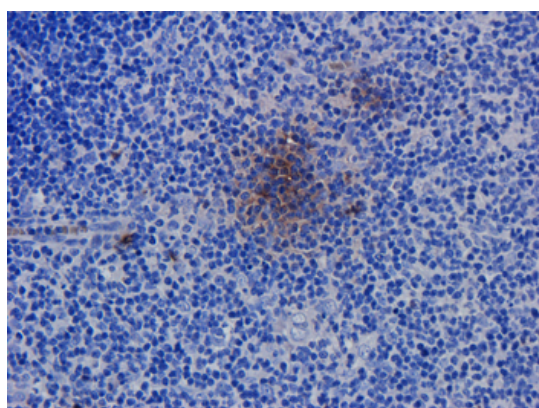
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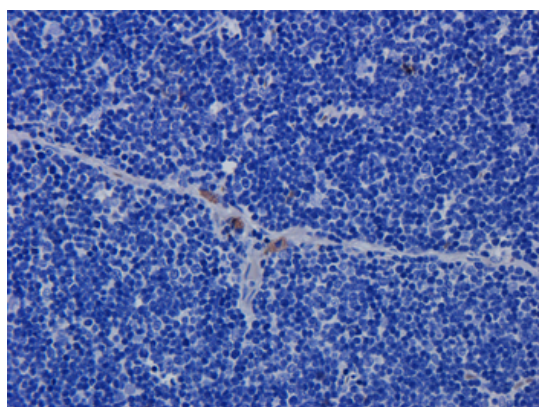
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Immunohistochemical staining of rat epididymis tissue using anti-CD52 antibody Campath-1H. Anti-CD52 staining of formaldehyde fixed paraffin embedded rat epididymis tissue, at 40x magnification. The human IgG1-chimeric version of Campath-1H (orb348863) was used to stain samples at a concentration of 5 µg/ml.



Immunohistochemical staining of rat spleen tissue using anti-CD52 antibody Campath-1H. Anti-CD52 staining of formaldehyde fixed paraffin embedded rat spleen tissue, at 40x magnification. The human IgG1-chimeric version of Campath-1H (orb348863) was used to stain samples at a concentration of 5 µg/ml.



Immunohistochemical staining of rat thymus tissue using anti-CD52 antibody Campath-1H. Anti-CD52 staining of formaldehyde fixed paraffin embedded rat thymus tissue, at 40x magnification. The human IgG1-chimeric version of Campath-1H (orb348863) was used to stain samples at a concentration of 5 µg/ml.

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