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Product datasheet for TA501335S

CD5 Mouse Monoclonal Antibody [Clone ID: OTI7A7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7A7
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD5 (NP_055022) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.68 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54.4 kDa
Gene Name:	CD5 molecule
Database Link:	NP_055022 Entrez Gene 921 Human P06127
Synonyms:	LEU1; T1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Hematopoietic cell lineage

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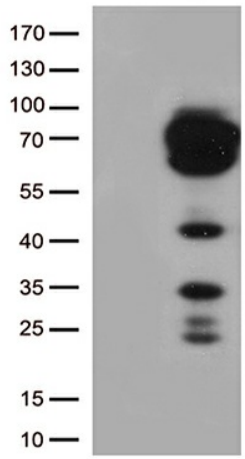
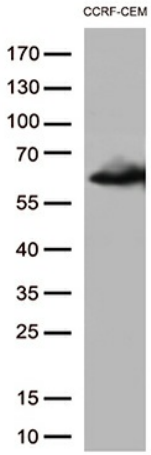
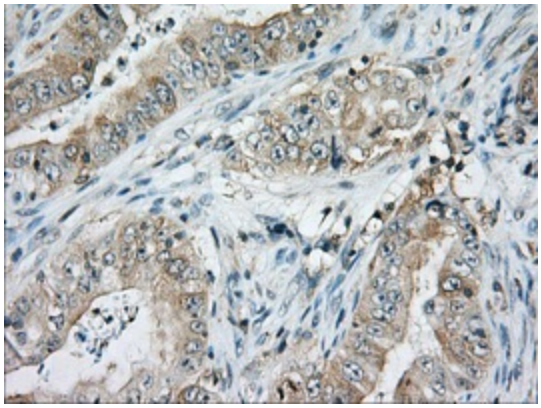
Product images:



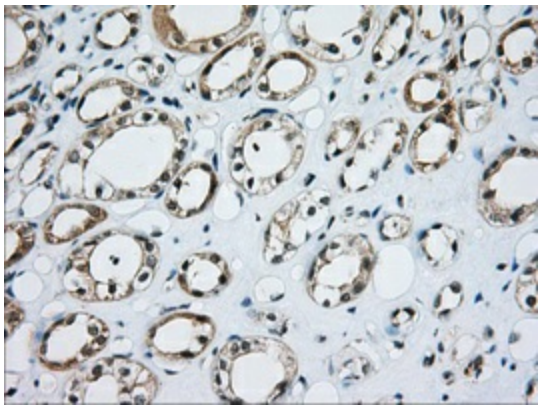
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD5 ([RC206494], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD5. (1:5. Positive lysates [LY415443] (100ug) and [LC415443] (20ug) can be purchased separately from OriGene.



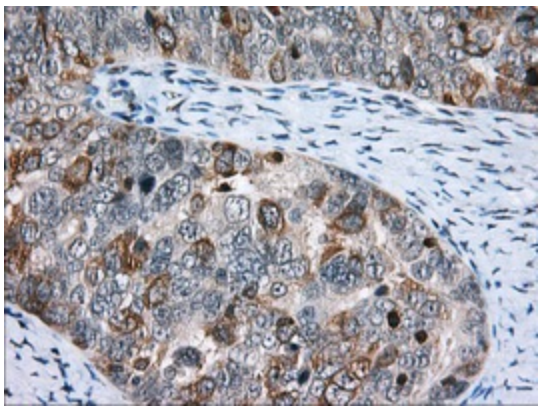
Western blot analysis of extracts (35ug) from 1 cell line lysate by using anti-CD5 monoclonal antibody (1:500).



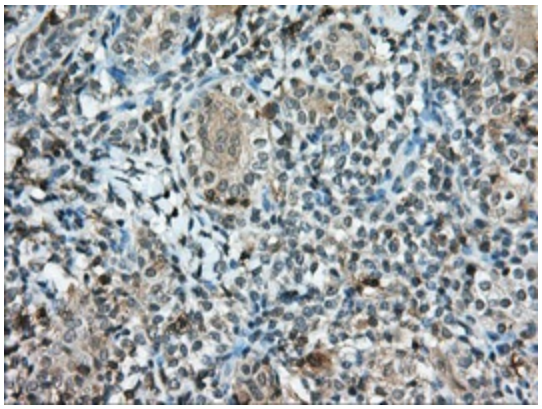
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-CD5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501335], Dilution 1:50)



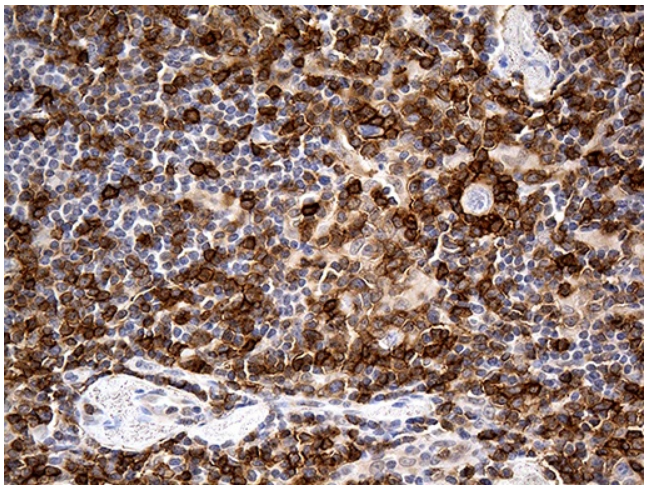
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-CD5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501335], Dilution 1:50)



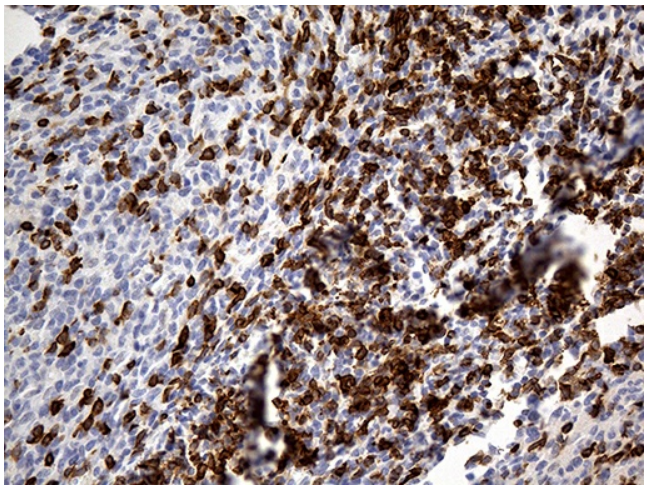
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-CD5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501335], Dilution 1:50)



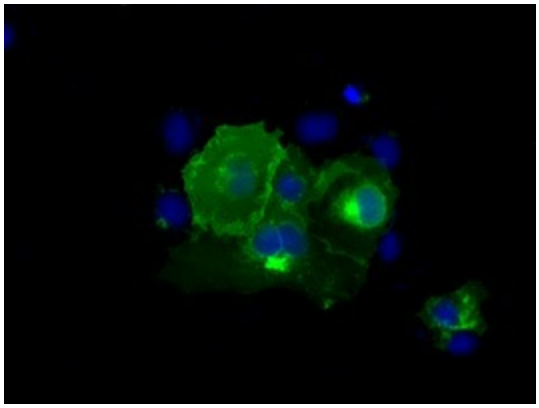
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-CD5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501335], Dilution 1:50)



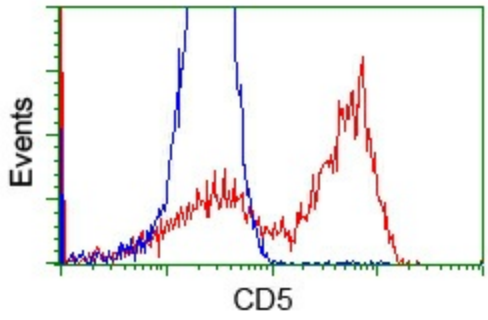
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA501335]) (1:500)



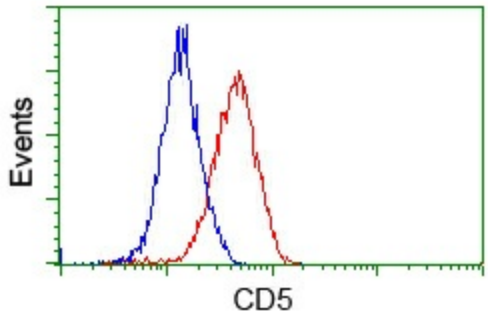
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA501335]) (1:500)



Anti-CD5 mouse monoclonal antibody ([TA501335]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CD5 ([RC206494]).



HEK293T cells transfected with either [RC206494] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-CD5 antibody ([TA501335]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-CD5 antibody ([TA501335]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).