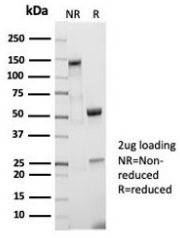
Recombinant CD5 Antibody C5/7020R / Rabbit Monoclonal [clone C5/7020R] (V5435)

Catalog No.	Formulation	Size
V5435-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5435-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5435SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	C5/7020R
Purity	Protein A/G affinity
UniProt	P06127
Localization	Cell membrane
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Recombinant CD5 Antibody C5/7020R is available for research use only.



SDS-PAGE analysis of purified Recombinant CD5 Antibody C5/7020R as confirmation of integrity and purity.

Description

Recombinant CD5 Antibody C5/7020R detects CD5 antigen, a transmembrane glycoprotein expressed on the surface of

practically all mature human T-cells (about 10% of CD4+ T-cells being CD5 negative). In immature (CD34+) T-cells, CD5 is weakly expressed, the intensity of expression increasing with maturation. CD5 is also expressed in a small subset of normal human B-cells (20% of B-cells in the peripheral blood, scattered cells in the lymph node mantle zone). The CD5+ cells are probably involved in B-T interaction and their ligand is CD72 which is expressed on all B cells. It appears that CD5+ B-cells on activation primarily produce IgM. They also produce more autoantibodies than normal CD5 negative B-cells. Thus, the CD5+ B-cell population is expanded in rheumatoid arthritis and systemic lupus erythematosus. The CD5 antibody reacts with CD5 expressed on B and T cells, and may be a useful aid for the classification of B and T-cell malignancies. This includes B-cell chronic lymphoid leukemia (B-CLL), B-cell small lymphocytic lymphoma (B-SLL), mantle cell lymphoma (MCL) and T-cell lymphoma and leukemia.

For additional CD5 research, explore our CD5 Antibody CD5/2416, a mouse monoclonal antibody with HuProt protein microarray specificity validation and supporting Western blot, IHC, and flow cytometry data.

Application Notes

Optimal dilution of the Recombinant CD5 Antibody C5/7020R should be determined by the researcher.

Immunogen

Recombinant full-length human CD5 protein was used as the immunogen for the recombinant CD5 antibody.

Storage

Aliquot the recombinant CD5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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