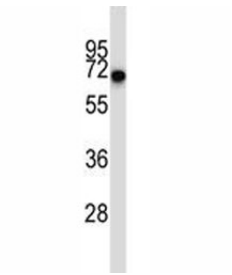
CD5 Antibody for WB / Lymphocyte Surface Glycoprotein Antibody (F43040)

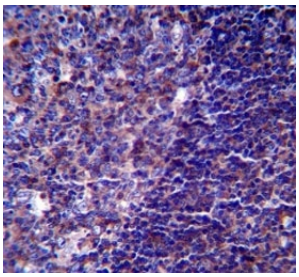
Catalog No.	Formulation	Size
F43040-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43040-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P06127
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This CD5 Antibody for WB / Lymphocyte Surface Glycoprotein Antibody is available for research use only.



CD5 Antibody for WB. Western blot analysis of CD5 antibody in human ZR-75-1 lysate using a lymphocyte surface glycoprotein antibody. A band is detected at approximately 55-67 kDa, consistent with the predicted molecular weight of CD5, with variation reflecting known glycosylation of this membrane glycoprotein. The observed signal supports detection of CD5 in this sample and aligns with the expected migration behavior of glycosylated CD5 in western blot analysis.



CD5 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue.

Description

CD5 (CD5) is a type I transmembrane glycoprotein and member of the scavenger receptor cysteine-rich (SRCR) superfamily, expressed on the surface of T lymphocytes and a subset of B cells. CD5 Antibody for WB / Lymphocyte Surface Glycoprotein Antibody is designed for detection of CD5 protein in western blot assays, providing a robust method for analyzing this cell surface glycoprotein in immune cell lysates. CD5 antibody, also referred to as T cell surface glycoprotein CD5 antibody or LEU1 antibody, is widely used in immunoblotting to confirm protein expression and to study membrane-associated proteins that define lymphocyte identity.

As a lymphocyte surface glycoprotein, CD5 is consistently expressed on mature T cells and selectively present on specific B cell subsets, making it a well-established marker of lymphocyte populations. CD5 antibody for WB enables direct detection of this protein in lysates derived from lymphoid tissues and immune cell lines, supporting validation of protein expression in studies of immune cell development and differentiation. Because CD5 is a defining surface marker of T cells, its detection by western blot provides complementary confirmation of findings obtained through cell-based assays such as flow cytometry.

In western blot analysis, CD5 is typically observed as a glycosylated protein, resulting in an apparent molecular weight that reflects post-translational modification. CD5 western blot antibody staining commonly reveals a distinct band corresponding to the mature glycoprotein form in T cell lysates, with migration patterns influenced by glycosylation state and sample processing conditions. This consistent banding profile supports reliable identification of CD5 and enables comparison of protein expression across experimental samples, including different cell types or treatment conditions.

The largely lymphoid-restricted expression of CD5 contributes to strong signal detection in T cell-rich samples while maintaining low background in non-immune tissues. This enhances clarity in western blot experiments and allows CD5 antibody for WB to serve as a useful marker for confirming lymphocyte-derived protein expression. Its detection profile makes it particularly valuable for studies focused on immune cell composition, lineage identification, and protein expression validation.

This rabbit polyclonal CD5 antibody is suitable for western blot applications requiring reliable detection of membrane glycoproteins. Its ability to consistently identify CD5 in lymphocyte-derived samples supports its use in protein expression studies, validation workflows, and integration with complementary techniques such as immunohistochemistry and flow cytometry.

A full range of CD5 antibody reagents for immunohistochemistry, western blot, and flow cytometry is available on our CD5 Antibody collection page.

Application Notes

Titration of the CD5 Antibody for WB / Lymphocyte Surface Glycoprotein Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 203-232 from the human protein was used as the immunogen for this CD5 antibody.

Storage

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

Alternate Names

CD5 WB antibody, CD5 western blot antibody, CD5 membrane protein antibody, CD5 surface glycoprotein antibody, CD5 immunoblot antibody