

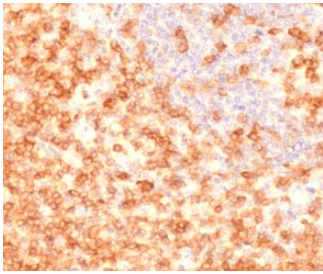
## CD27 Antibody / Memory B Cell Marker Antibody [clone CDLA27-1R] (V3676)

Catalog No.	Formulation	Size
V3676-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3676-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3676SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3676IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	CDLA27-1R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P26842
<b>Localization</b>	Cell surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
<b>Limitations</b>	This CD27 Antibody / Memory B Cell Marker Antibody is available for research use only.



CD27 Antibody for IHC Tonsil Staining. Immunohistochemistry analysis of CD27 / TNFRSF7 expression in FFPE human tonsil tissue using CD27 Antibody / Memory B Cell Marker Antibody clone CDLA27-1R. Strong membranous HRP-DAB brown staining is observed in lymphocyte populations within germinal centers and surrounding mantle zones, consistent with CD27 expression on memory B cells and antigen-experienced lymphocytes, while adjacent stromal and epithelial elements remain largely negative. The staining pattern highlights memory B cell compartments and supports evaluation of humoral immune architecture within tonsillar tissue. Heat-induced epitope retrieval was performed in 10 mM Tris buffer with 1 mM EDTA, pH 9, for 10-20 minutes followed by cooling prior to antibody incubation.

## Description

CD27, also known as TNF receptor superfamily member 7 (TNFRSF7), is a cell surface receptor expressed on T lymphocytes, memory B cells, and subsets of natural killer cells, where it contributes to immune activation and differentiation. CD27 Antibody / Memory B Cell Marker Antibody (clone CDLA24-1R) is uniquely positioned for identifying and characterizing memory B cell populations, enabling clear discrimination between naive and antigen-experienced B cells in both tissue and suspension-based assays. CD27 antibody reagents are widely used in studies of humoral immunity to define B cell subsets and evaluate long-term immune memory.

CD27 antibody, also referred to as TNFRSF7 antibody or CD27 memory B cell antibody in the literature, is one of the most well-established markers of memory B cells. Expression of CD27 reflects prior antigen exposure and functional maturation, distinguishing memory B cells from naive B cell populations that lack CD27 expression. This makes CD27 a critical marker for investigating adaptive immune responses and for assessing the persistence of immunological memory following infection or vaccination.

CD27 Antibody / Memory B Cell Marker Antibody (clone CDLA24-1R) is particularly valuable for analyzing B cell differentiation states within lymphoid tissues and circulating immune compartments. In tissues such as tonsil and spleen, CD27-positive B cells are enriched within germinal center-associated regions and memory compartments, where they contribute to antibody production and immune recall responses. Detection of CD27 in these contexts supports detailed analysis of B cell maturation and functional specialization.

In PBMC-based assays and flow cytometry applications, CD27 is frequently used in combination with additional markers to resolve B cell subsets, including naive, memory, and plasma cell populations. Its expression provides a reliable indicator of antigen-experienced B cells and supports studies focused on immune memory, vaccine response, and immune system dynamics. The ability to accurately identify CD27-positive B cells is essential for understanding humoral immune function and for monitoring immune competence.

Alterations in CD27 expression have been associated with immune dysregulation, including impaired memory B cell formation and abnormal immune responses in disease states. This further underscores the importance of CD27 as a marker for studying B cell biology and immune system health. Antibodies targeting CD27 enable precise detection of memory B cell populations and support investigations into both normal and pathological immune processes.

The recombinant rabbit monoclonal clone CDLA24-1R antibody is designed to provide sensitive and specific detection of CD27, enabling accurate identification of memory B cell populations across experimental systems. Its performance supports reproducible analysis of B cell differentiation and immune memory in both research and translational contexts.

Overall, CD27 Antibody / Memory B Cell Marker Antibody (clone CDLA24-1R) provides reliable detection of CD27 for identifying memory B cells and studying humoral immune responses, supporting detailed investigation of adaptive immunity and long-term immune memory formation.

This antibody is part of a broader [CD27 antibody](#) collection designed to support diverse immunological research

applications.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the CD27 Antibody / Memory B Cell Marker Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Human CD27 protein was used as the immunogen for the recombinant CD27 antibody.

## Storage

Store the recombinant CD27 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

TNFRSF7 antibody, CD27 memory B cell antibody, CD27 B cell differentiation antibody, CD27 lymphocyte subset marker antibody