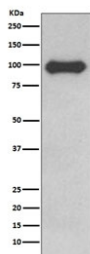


## CD19 Antibody [clone AOFO-3] (RQ5485)

| Catalog No. | Formulation                                                                | Size   |
|-------------|----------------------------------------------------------------------------|--------|
| RQ5485      | Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA | 100 ul |

[Bulk quote request](#)

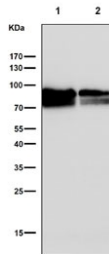
|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Availability       | 1-2 weeks                                                               |
| Species Reactivity | Human, Mouse, Rat                                                       |
| Format             | Purified                                                                |
| Host               | Rabbit                                                                  |
| Clonality          | Rabbit Monoclonal                                                       |
| Isotype            | Rabbit IgG                                                              |
| Clone Name         | AOFO-3                                                                  |
| Purity             | Affinity purified                                                       |
| UniProt            | P15391                                                                  |
| Localization       | Cell surface, cytoplasmic                                               |
| Applications       | Western Blot : 1:500-1:2000<br>Immunohistochemistry (FFPE) : 1:50-1:200 |
| Limitations        | This CD19 antibody is available for research use only.                  |



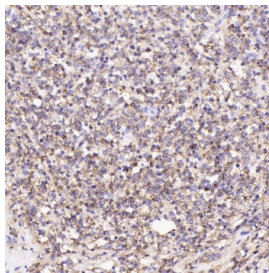
Western blot testing of human Ramos cell lysate with CD19 antibody. Expected molecular weight: 60-100 kDa depending on glycosylation level.



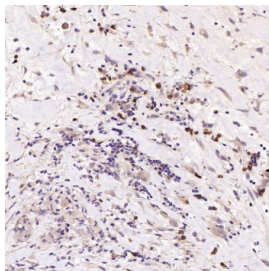
Western blot testing of human Ramos cell lysate with CD19 antibody. Expected molecular weight: 60-100 kDa depending on glycosylation level.



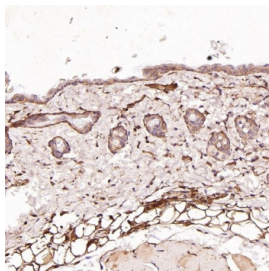
Western blot testing of human 1) Raji and 2) Daudi cell lysate with CD19 antibody. Expected molecular weight: 60-100 kDa depending on glycosylation level.



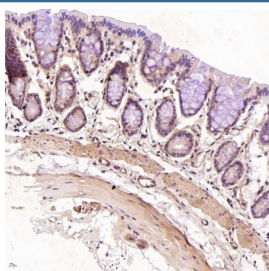
CD19 Antibody Human Hodgkin's Lymphoma IHC. Immunohistochemistry analysis of FFPE human Hodgkin's lymphoma tissue using CD19 Antibody (clone AOFO-3). Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Positive membranous staining is observed in lymphoid cell populations, consistent with CD19 expression as a B cell lineage marker. These results support the use of CD19 Antibody (clone AOFO-3) for studying B lymphocyte identification, hematologic cancer research and immune cell marker expression.



CD19 Antibody Human Esophageal Carcinoma IHC. Immunohistochemistry analysis of FFPE human esophageal carcinoma tissue using CD19 Antibody (clone AOFO-3). Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Positive membranous staining is observed in infiltrating immune cell populations within the tumor microenvironment, consistent with CD19 expression as a B lymphocyte marker. These results support the use of CD19 Antibody (clone AOFO-3) for studying B cell infiltration, tumor immunology and hematologic marker expression in cancer research.



CD19 Antibody Mouse Skin IHC. Immunohistochemistry analysis of FFPE mouse skin tissue using CD19 Antibody (clone AOFO-3). Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Positive staining is observed in immune cell populations within the skin tissue environment, consistent with CD19 expression as a B lymphocyte marker. These results support the use of CD19 Antibody (clone AOFO-3) for studying B cell identification, immune cell localization and inflammatory response research.



CD19 Antibody Rat Stomach IHC. Immunohistochemistry analysis of FFPE rat stomach tissue using CD19 Antibody (clone AOFO-3). Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Positive staining is observed in immune cell populations within gastric tissue, consistent with CD19 expression as a B lymphocyte marker. These results support the use of CD19 Antibody (clone AOFO-3) for studying B cell localization, mucosal immune responses and lymphocyte-associated research.

## Description

Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. The CD19 gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [RefSeq]

Researchers studying B cell markers and immune cell signaling may also be interested in our [CD19 Antibody / B Cell Marker Antibody](#) page, featuring a Protein Microarray Validated recombinant monoclonal antibody for B lymphocyte detection and immunology research.

## Application Notes

Optimal dilution of the CD19 antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human CD19 was used as the immunogen for the CD19 antibody.

## Storage

Store the CD19 antibody at -20oC.