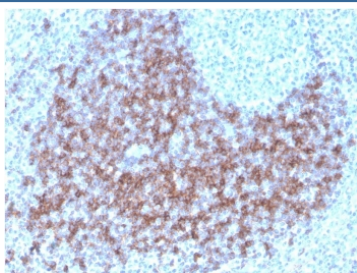


## CD23 Antibody [clone FCER2/3592] (V7565BTN)

| Catalog No. | Formulation                                                   | Size   |
|-------------|---------------------------------------------------------------|--------|
| V7565BTN    | 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 500 ul |

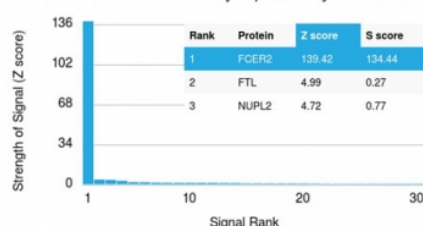
[Bulk quote request](#)

|                    |                                                             |
|--------------------|-------------------------------------------------------------|
| Availability       | 1-3 business days                                           |
| Species Reactivity | Human                                                       |
| Format             | Biotin Conjugate                                            |
| Clonality          | Monoclonal (mouse origin)                                   |
| Isotype            | Mouse IgG2b, kappa                                          |
| Clone Name         | FCER2/3592                                                  |
| Purity             | Protein G affinity chromatography                           |
| UniProt            | P06734                                                      |
| Localization       | Cell surface                                                |
| Applications       | Immunohistochemistry (FFPE) : 2-4ug/ml for 30 minutes at RT |
| Limitations        | This CD23 antibody is available for research use only.      |

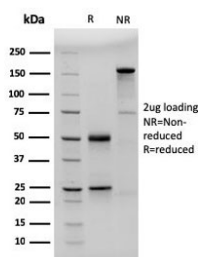


IHC staining of FFPE human tonsil with biotin-labeled CD23 antibody (clone FCER2/3592). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD23 antibody (clone FCER2/3592). These results demonstrate the foremost specificity of the FCER2/3592 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD&#39;s) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD&#39;s) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free CD23 antibody (clone FCER2/3592) as confirmation of integrity and purity.

## Description

CD23 (FCE2) is a type II integral membrane glycoprotein that is expressed on mature B cells, monocytes, eosinophils, platelets and dendritic cells. CD23 is a low affinity IgE receptor that mediates IgE-dependent cytotoxicity and phagocytosis by macrophages and eosinophils. CD23 associates as an oligomer where cooperative binding of at least two lectin domains is required for high affinity IgE binding to CD23. It may play a role in antigen presentation by B cells by interacting with CD40. CD23 has been shown to be associated with the Fyn tyrosine kinase. The truncated molecule can be secreted, then function as a potent mitogenic growth factor. CD23 is expressed on a subpopulation of peripheral blood cells, B-lymphocytes and on EBV transformed B lymphoblastoid cell lines. CD23 is also detected in neoplastic cells from cases of B cell chronic lymphocytic leukemia and some cases on centroblastic/centrocytic lymphoma.

## Application Notes

Optimal dilution of the CD23 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 48-321 from the human protein was used as the immunogen for the CD23 antibody.

## Storage

Store the CD23 antibody at 2-8oC (up to one month) or aliquot and store at -20oC (longer term).