

## Recombinant CD23 (Fc Epsilon RII) Antibody

Rabbit Monoclonal Antibody [Clone FCER2/8510R]

Catalog No	Format	Size
2208-RBM19-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2208-RBM19-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2208-RBM19-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

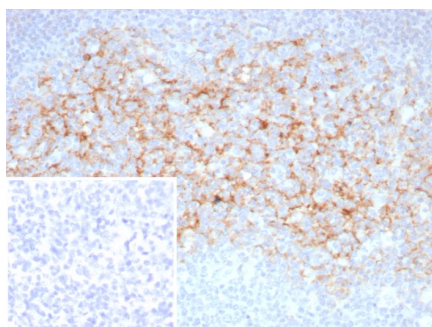
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

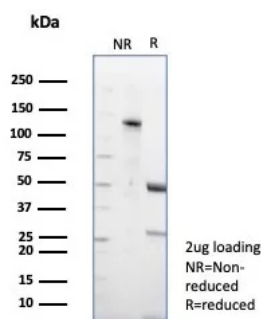
<b>Clone</b>	FCER2/8510R
<b>Gene Name</b>	FCER2
<b>Immunogen</b>	Recombinant fragment (around aa 221-321) of human FCER2/CD23 protein (exact sequence is proprietary)
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	37kDa (soluble form); 45kDa (membrane-bound form)
<b>Cellular Localization</b>	Cell surface
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human lymph node or tonsil (IHC).

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant CD23 (Fc Epsilon RII) Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with CD23 Recombinant Rabbit Monoclonal Antibody (FCER2/8510R). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified CD23 Recombinant Rabbit Monoclonal Antibody (FCER2/8510R). Confirmation of Purity and Integrity of Antibody.

### **Specificity & Comments**

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.

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### **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### **Supplied As**

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### **Storage and Stability**

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### **Research Areas**

B Cell Markers, Complement System, Cytokine Signaling, Immunology, Mast Cell Marker, Signal Transduction

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