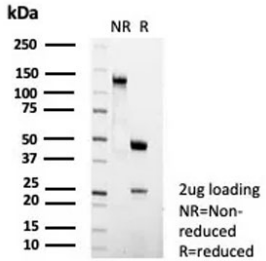
Recombinant FCER2 Antibody / CD23 [clone FCER2/6474R] (V5437)

Catalog No.	Formulation	Size
V5437-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5437-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5437SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	FCER2/6474R
Purity	Protein A/G affinity
UniProt	P06734
Localization	Cell Surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This FCER2 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free FCER2 antibody (clone FCER2/6474R) as confirmation of integrity and purity.

Description

CD23 (FCER2) is a type II integral membrane glycoprotein that is expressed on mature B cells, monocytes, eosinophils, platelets and dendritic cells. FCER2 is a low affinity IgE receptor that mediates IgE-dependent cytotoxicity and

phagocytosis by macrophages and eosinophils. FCER2 associates as an oligomer where cooperative binding of at least two lectin domains is required for high affinity IgE binding to FCER2. It may play a role in antigen presentation by B cells by interacting with CD40. FCER2 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. FCER2 is expressed on a subpopulation of peripheral blood cells, B-lymphocytes and on EBV transformed B lymphoblastoid cell lines. FCER2 is also detected in neoplastic cells from cases of B cell chronic lymphocytic leukemia and some cases on centroblastic/centrocytic lymphoma.

Explore our central CD23 antibody resource page for additional western blot, immunohistochemistry, and microarray specificity validation data supporting studies of B-cell activation, germinal center biology, and IgE receptor signaling pathways.

Application Notes

Optimal dilution of the FCER2 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 48-321) of human FCER2/CD23 protein was used as the immunogen for the FCER2 antibody.

Storage

Aliquot the FCER2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.