

## FCER2 Ab

Cat.#: BF0627  
Size: 50ul,100ul,200ul

Concn.: 1mg/ml  
Source: Mouse

Mol.Wt.: 37kDa  
Clonality: Monoclonal

Application: ELISA 1/10000, FCM 1/200 - 1/400

Reactivity: Human

Purification: Affinity-chromatography.

Specificity: FCER2 Ab detects endogenous levels of total FCER2.

Immunogen: Purified recombinant fragment of human FCER2 expressed in E. Coli.

Uniprot: P06734

Description: The human leukocyte differentiation antigen CD23 (FCE2) is a key molecule for B-cell activation and growth. It is the low-affinity receptor for IgE. The truncated molecule can be secreted, then functioning as a potent mitogenic growth factor.(supplied by OMIM) . It is expressed on most mature, conventional B cells (but not on peritoneal CD5+ B cells), and can also be found on the surface of T cells, macrophages, platelets and EBV transformed B lymphoblasts. Expression of CD23 has been detected in neoplastic cells from cases of B cell chronic Lymphocytic leukemia. CD23 is expressed by B cells in the follicular mantle but not by proliferating germinal centre cells. CD23 is also expressed by eosinophils. CD23 is distinct from the high affinity IgE receptors found on basophils and mast cells, which mediate allergic reactions. The low affinity receptors are thought to play a role in isotype specific immunoregulation. The regulation of CD23 surface expression appears to be integral with the complex IgE system, which involves interactions of cells, cytokines, antibodies and regulatory factors. CD23 has been described as a "membrane bound cytokine, in that the soluble cleavage products of CD23 are themselves able to act as cytokines in vitro.

Subcellular Location: Cell membrane. Secreted. Also exists as a soluble excreted form.

Storage Condition and Buffer: Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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