

CD23 (50-331): sc-4366 WB

BACKGROUND

The human leukocyte differentiation antigen CD23 (FCE2) is a 45 kDa type II integral membrane glycoprotein that is expressed on mature B cells, monocytes, eosinophils, platelets and dendritic cells. In mouse, CD23 is found only on mature B 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. CD23 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 functioning as a potent mitogenic growth factor. ADAM8, ADAM15, and MDC-L catalyze ectodomain shedding of CD23. Intestinal cells coexpress CD23a and CD23b, and the two splice forms show different localizations in polarized cells.

REFERENCES

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SOURCE

CD23 (50-331) is expressed in *E. coli* as a 58 kDa tagged fusion protein corresponding to amino acids 50-331 of CD23 of mouse origin.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

PRODUCT

CD23 (50-331) is purified from bacterial lysates (>98%) by column chromatography; supplied as 10 μ g protein in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

CD23 (50-331) is suitable as a Western blotting control for sc-7022 and sc-9152.

RESEARCH USE

For research use only, not for use in diagnostic procedures.