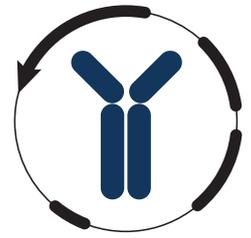


# Datasheet



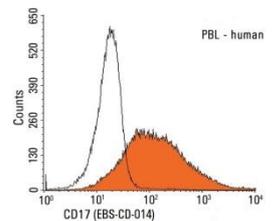
Mouse mAb to **CDw17**  
Clone **EBS-CD-014**  
Isotype **IgM-κ**

## Source

A BALB/c mouse was immunized  $\beta$ -2 microglobulin associated proteins from a detergent lysate of human PBL.  
Fusion partner: NS-1.

## Specifications

CDw17 is an intermediate glycosphingolipid from the metabolism of higher gangliosides that localizes to sphingolipid-sterol rafts. CDw17 is found on monocytes, granulocytes, basophils, platelets, a subset of peripheral B-cells (CD19<sup>+</sup>) and tonsil dendritic cells. It is rapidly down regulated on activated granulocytes and is upregulated on IL-2 activated T-lymphocytes. CDw17 binds to bacteria and may function in phagocytosis. It may also be involved in angiogenesis. Aberrant levels of glycosphingolipids are a feature of cancer cells and may influence integrin clustering and internalization.



**Figure 1:** Human PBLs stained with EBS-CD-014 (FACS).

## Species reactivity

Positive: human.

## Applications

EBS-CD-014 can be used for staining of frozen tissues and in flow cytometry.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	-

## Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

## Dilution advice

- Flow cytometry (0,5-1,0  $\mu$ g/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0  $\mu$ g/ml).
- Immunohistology (1-2  $\mu$ g/ml for 30 min at RT; an appropriate antigen retrieval method for staining of formalin-fixed tissues has not been established to date).

## Positive control

Human PBL and tonsil.

## References

- Knapp W. Leukocyte Typing IV, Oxford Univ. Press, (1989).