

## Product datasheet for **BM4034B**

### CD14 Mouse Monoclonal Antibody [Clone ID: X-8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	X-8
Applications:	FC, IHC
Recommended Dilution:	Suitable for Immunohistochemistry (IHC) on frozen sections (0.25-0.5 µg/ml, 1/800-1/1600) and FACS. Suggested positive control: Human placenta. <b>Antigen Distribution on Isolated cells and Tissue sections:</b> Monocytes, granulocytes, macrophages in myeloid leukaemia. Cell Lines: HL-60 without stimulation negative HL-60 stimulated with PMA 15% positive HL-60 stimulated with DMSO 15% positive U937 negative X-8 is positive on Langerhans cells, follicular dendritic cells, histiocytes and high endothelial cell venules. Functional assays.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human monocytes
Specificity:	Monoclonal antibody X-8 prevents the Lipopolysaccharide Binding Protein (LBP) independent activation of cells via soluble CD14 by blocking the binding of CD14.
Formulation:	PBS, pH 7.2 with 5 mg/ml bovine serum albumin (BSA) as a stabilizer without preservatives. Label: Biotin State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore with 0.5 ml distilled water.
Concentration:	0.4 mg/ml
Purification:	Affinity chromatography.



[View online »](#)

<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Do not freeze working dilutions Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	CD14 molecule
<b>Database Link:</b>	<a href="#">Entrez Gene 929 Human P08571</a>
<b>Background:</b>	CD14 is a 53'000 - 55'000 Mr glycoprotein strongly expressed on the surface of monocytes and weakly on the surface of granulocytes. It is anchored to the surface by linkage to glycosyl phosphatidylinositol (GPI). CD14 functions as a receptor for endotoxin and is the major receptor involved in the lethal response to both endotoxin and Gram-negative bacteria. In addition to membrane CD14, soluble forms of CD14 can be detected in serum and tissue culture supernatants of cells transfected with CD14.
<b>Synonyms:</b>	CD14