

Product datasheet for **BM4030B**

CD93 Mouse Monoclonal Antibody [Clone ID: X-2]

Product data:

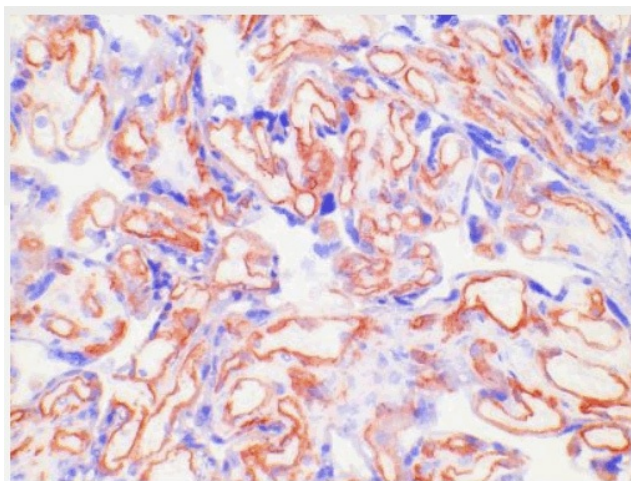
Product Type:	Primary Antibodies
Clone Name:	X-2
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 0.5 µg/ml (1/400). It does not react on routinely processed Paraffin Sections. Has been described to works in FACS . Recommended Positive Control: Human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human monocytes.
Specificity:	This Monoclonal antibody clone X-2 recognizes a 110kDa O-sialoglycoprotein on granulocytes, monocytes and endothelial cells. Upon differentiation of cultivated monocytes into macrophages, CDw93 ceases to be expressed on day 5-6, which makes it a very useful marker to differentiate those two cell populations. Antigen Distribution Isolated Cells: Positive with all granulocytes, with staining increasing transiently upon maturation. Antigen expression is increased by TNF α , GM-CSF, (fMLP) treatment. No effect on superoxide production by binding to neutrophils has been noted. PMA stimulation causes down regulation of the antigen. Positive with monocytes following fMLP, TNF, GM-CSF treatment. Antigen expression decreases on cultured monocytes. Positive on AML cases with monocytic component. Positive on cell lines HL-60, Namalva, K562, THP-1, U937, negative on HMC-1 (human mast cell line). Tissue Sections: The Monoclonal antibody X-2 stains epitheloid cells and Rosai-Dorfman cells and most endothelial cells in the synovial membrane of RA patients.



[View online »](#)

Formulation:	PBS, pH 7.2 Label: Biotin State: Lyophilized purified Ig fraction Stabilizer: 10 mg/ml BSA Preservative: 0.01% Thimerosal
Reconstitution Method:	Restore with 0.5 ml distilled water
Concentration:	0.2 mg/ml (after reconstitution)
Purification:	Affinity Chromatography
Conjugation:	Biotin
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD93 molecule
Database Link:	Entrez Gene 22918 Human Q9NPY3
Background:	CD93 a cell-surface glycoprotein and type I membrane protein involve in intercellular adhesion and in the clearance of apoptotic cells. The intracellular cytoplasmic tail of this protein has been found to interact with moesin, a protein known to play a role in linking transmembrane proteins to the cytoskeleton and in the remodelling of the cytoskeleton.
Synonyms:	MXRA4, CDw93, C1q receptor, MBL receptor, SPA receptor

Product images:



Human Placenta Frozen Section stained with Biotin conjugated CD93 / C1QR1 Antibody.