

## Product datasheet for **BM4032B**

### CD11b (ITGAM) Mouse Monoclonal Antibody [Clone ID: X-5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	X-5
Applications:	IHC
Recommended Dilution:	Suitable for Immunohistochemistry on frozen sections: 7.5 - 30 µg/ml (1/50-1/200). Suggested positive control: Human tonsil <b>Antigen Distribution on Isolated cells and Tissue sections:</b> Weakly positive on granulocytes. Positive on peritoneal macrophages. Negative on lymphocytes. Cell Lines: HL-60: positive on approx. 50% following 1.25% DMSO treatment increased to 100%. In lymph nodes X-5 is positive on monocytes, macrophages and single cells both intrafollicularly and in surrounding blood vessels. Positive staining has been observed with the basal membrane of blood vessels and on sinus walls. Marginal zone macrophages, medulla and red pulp stain positive in the spleen as do cells in the T-cell region. In the thymus, medulla and trabecular macrophages are positive.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human peripheral blood monocytes
Specificity:	This antibody reacts with granulocytes, monocytes, NK- cells. X-5 recognizes an antigen of 155/95kD determined by Immunoprecipitation.
Formulation:	PBS, pH 7.2 with 0.01% Thimerosal as preservative and 10 mg/ml BSA as stabilizer. Label: Biotin State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore with 0.5 ml distilled water.
Concentration:	1.5 mg/ml
Purification:	Affinity chromatography.
Conjugation:	Biotin



[View online »](#)

<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>	integrin subunit alpha M
<b>Database Link:</b>	<a href="#">Entrez Gene 3684 Human P11215</a>
<b>Background:</b>	Antibody X-5 recognizes a non-covalently bound alpha heterodimeric glycoprotein. It belongs to the $\beta$ -2 integrin supergene family of adhesion. The antigen is a receptor for C3bi, fibrinogen, coagulation factor X. Together with CD18, CD11b forms the MAC-1 molecular complex involved in the adhesion to endothelial cells, and the subsequent extravasation of neutrophils and monocytes.
<b>Synonyms:</b>	ITGAM, CR3A, CR-3 alpha chain, Integrin alpha-M, MAC1