

Product datasheet for **AM03032LE-N**

CD24 Mouse Monoclonal Antibody [Clone ID: SN3]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | SN3 |
| Applications: | FC, IHC |
| Recommended Dilution: | Immunohistochemistry on frozen sections. Flow Cytometry. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Glycoproteins purified from human NALM-1 cell line |
| Specificity: | This antibody recognises the CD24 cell surface antigen, a heavily glycosylated molecule of 35-45kD, expressed by granulocytes and B lymphocytes, and by some activated T cells and T cell malignancies. |
| Formulation: | Phosphate buffered saline pH7.4 State: Low Endotoxin State: Liquid purified IgG |
| Concentration: | lot specific |
| Purification: | Affinity chromatography on Protein G |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | CD24 molecule |
| Database Link: | Entrez Gene 100133941 Human P25063 |



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| Background: | CD24 (also known as heat stable antigen) is a phosphatidylinositol linked cell surface glycoprotein with a polypeptide core of 30 amino acids and high carbohydrate content. The apparent molecular mass of the two forms of CD24 purified from a mouse lymphoma cell line appear to be in the range of 40-60 and 23-30 kDa. CD24 is expressed at all stages of B cell development and on most thymocytes. The absence of expression from mature T cells is closely associated with their maturation from CD4+ CD8+ CD24+ thymocytes to either CD4+ CD8- CD24- or CD4- CD8+ CD24- T cells. CD24 is also present on mouse granulocytes, monocytes, Langerhans cells and erythrocytes. Its ligand is P selectin (CD62P). CD24 may play a role in regulation of B cell proliferation and differentiation, and it has been proposed that heat stable antigen promotes homotypic adhesion between B lymphocytes. CD24 is also a positive marker of pancreatic cancer. |
| Synonyms: | X62 heat stable antigen, HSA |
| Note: | Endotoxin Level: <0.01EU/μg |