

Product datasheet for **AM08144PU-N**

CD1.1 Mouse Monoclonal Antibody [Clone ID: CB3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CB3
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry: < / = 1 µg/10e6 cells. Immunohistochemistry.
Reactivity:	Chicken
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody can identify cells of the B cell lineage and recognizes CD1.1 but not CD1.2 on the surface of transfected Mammalian cells. (Ref.1)
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Database Link:	Q52Z75
Background:	CD1 molecules, like MHC I and II, play an equally important role in the immune system by presenting lipid, glycolipid and lipopeptide antigen to T and NKT cells. (Ref.1) Chicken CD1 gene is located in the Chicken MHC B locus and has an important implication for the primordial MHC gene evolution. (Ref.2) Two proteins have been identified: CD1.1 and CD1.2. Analysis of RNA from blood cells showed that both genes are expressed in Bu-1+ cells (B cells and some macrophages) and CD8a+ cells (some T and NK cells). CD1.2 is expressed in TCR1 + cells (gamma delta cells) but is nearly undetectable in TCR2+ and TCR3+ cells (alpha and Beta T cells). (Ref.1)



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