

Product datasheet for **AM08123PU-N**

CD8B Mouse Monoclonal Antibody [Clone ID: EP42]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EP42
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry. (Ref.2) Immunoprecipitation. (Ref.2) Immunohistochemistry (Acetone-Fixed, Frozen Tissue Sections. (Ref.4)
Reactivity:	Chicken
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes beta chain of Chicken CD8 (Mr. 34 kDa).
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.
Gene Name:	CD8b molecule
Database Link:	Entrez Gene 396175 Chicken Q90769



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Background:

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

Chicken CD8 is expressed on approximately 80% of thymocytes, 45% of blood mononuclear cells and 50% of spleen cells, but <1% of cells in the bursa and bone marrow. (Ref.1,2)

Synonyms:

CD8B, CD8B1