

Product datasheet for **AM05530SU-N**

CD8A Mouse Monoclonal Antibody [Clone ID: 4B11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4B11
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 1/50. Immunohistochemistry on Paraffin Sections: 1/50. This product requires antigen retrieval using heat treatment prior to staining of paraffin sections; 1mM EDTA pH8.0 is recommended for this purpose. Western Blot: 1/25.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Synthetic peptide derived from CD8 alpha chain sequence.
Specificity:	This antibody recognizes the Human CD8 cell surface antigen, a 32kD glycoprotein expressed by the cytotoxic/suppressor subset of T-cells and weakly by NK cells.
Formulation:	State: Lyophilised Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore with 1 ml distilled water.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD8a molecule
Database Link:	Entrez Gene 925 Human P01732



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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.

Synonyms:

CD8 alpha chain, CD8A, MAL