

## Product datasheet for **AM05896PU-N**

### MHC Class II Mouse Monoclonal Antibody [Clone ID: PF6J-6D]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PF6J-6D
Applications:	ELISA, FC, WB
Recommended Dilution:	<b>ELISA:</b> Can be used in ELISA in conjunction with AM05897PU-N (clone PF8J-9B). <b>Western blot:</b> Detects band/s of approximately 29-31kDa on fractionated Cat lymphocyte cell lysates under non-reducing conditions. <b>Flow Cytometry.</b>
Reactivity:	Feline
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This antibody specifically recognises an epitope within the 29-31kDa beta chain region of cat MHC class II.
Formulation:	Phosphate buffered saline pH 7.2 State: Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store 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.



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**Background:**

The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In cats, this is referred to as the feline leukocyte antigen (FLA) region.

The complex retrovirus FIV (feline immunodeficiency virus), is responsible for a progressive and debilitating immune deficiency syndrome in domestic cats, similar to that caused by the human Immunodeficiency virus (HIV). Studies have shown that the intensity of MHC Class II expression on cat lymphocyte membranes has been found to vary in association with feline retrovirus infections.

**Synonyms:**

MHC Class 2, HLA Class II