

## Product datasheet for **AM33026PU-N**

### DGKA (C-term) Mouse Monoclonal Antibody [Clone ID: M5a]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M5a
Applications:	IP, WB
Recommended Dilution:	<b>Western blot.</b> <b>Immunoprecipitation.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	<i>Escherichia coli</i> cell-expressed, affinity-purified Glutathione S-transferase fusion protein of a C-terminal portion (part of the catalytic domain) of Rat DGKu.
Specificity:	This Monoclonal <i>M5a</i> Antibody is directed against the C-terminal portion (part of the catalytic domain) of Rat DGK alpha.
Formulation:	PBS State: Purified State: Liquid purified fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
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.
Gene Name:	diacylglycerol kinase alpha
Database Link:	<a href="#">Entrez Gene 1606 Human P23743</a>



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**Background:**

Diacylglycerol kinase alpha is an enzyme that in humans is encoded by the DGKA gene. The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways.

It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified.

Tissue specificity: lymphocytes and oligodendroglial cells.

Diacylglycerol kinases are involved in cell signaling, either as regulators of diacylglycerol levels or as intracellular signal-generating enzymes.

**Synonyms:**

Diacylglycerol kinase alpha, Diglyceride kinase alpha, DGKA, DAGK, DAGK1, DGK-alpha