

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Ameloblastin in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Ameloblastin Val27-Pro407 Accession # O55189
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Ameloblastin, also known as amelin and sheathlin, is a 66 kDa secreted tooth-specific glycoprotein. It is a major enamel matrix protein that promotes enamel formation in teeth. Ameloblastin is secreted primarily by secretory ameloblasts. It is a cell adhesion molecule required for amelogenesis. In addition to the isoform used as immunogen, a second variant with a 15 aa insertion between Q113 and P114 (AAH 87927) is known. The amino acid sequence of mature mouse ameloblastin is 96% and 67% identical to that of rat and human ameloblastin, respectively.

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