

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse Ameloblastin

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.