

**Antibody to Human Salivary Amylase**
MOUSE MONOCLONAL

Catalog Number: AB-V31
Quantity: 100 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Mouse
Isotype: IgG2a
Clone: HABB
Immunogen: purified protein

Background: Alpha-amylase is an enzyme that hydrolyzes α -1,4-glycosidic bonds in large polysaccharides such as starch and glycogen, producing glucose and maltose. It is the predominant form of amylase in humans and other mammals and is most abundant in pancreatic secretions and saliva, each containing distinct isoforms. Salivary and pancreatic amylases can be distinguished by isoelectric focusing or specific monoclonal antibodies. Salivary amylase, also known as ptyalin, initiates the breakdown of insoluble starch into progressively smaller soluble starches and ultimately maltose.

Specificity & Preparation: Mouse hybridoma clone HABB is used to produce anti-human salivary amylase / anti-ovarian tumor amylase IgG2a monoclonal antibody.

Usage: Applications include western blot and immunoprecipitation. Working dilutions must be determined by end user.

Storage: Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Mifflin TE, Benjamin DC, Bruns DE (1985) Rapid quantitative, specific measurement of pancreatic amylase in serum with use of a monoclonal antibody. Clin Chem 31(8):1283-1288. PMID: 3874721

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