

**Antibody to BM180 (3E12)**
RAT MONOCLONAL

Catalog Number: AB-V57
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: Rat
Isotype: IgG2a
Clone: 3E12
Immunogen: Mouse BM180 protein derived from EHS tumor cells

Background: BM180 is a novel component of the basement membrane implicated in the regulation of tear secretion by lacrimal acinar cells. It shares partial sequence similarity with alpha-gliadin, a plant protein recognized by antibodies in some patients with Sjögren's syndrome. BM180 exhibits electrophoretic mobilities of 180 kDa under non-reducing conditions and 60 kDa in the presence of dithiothreitol. Competitive ELISA studies indicate that BM180 has no immunological cross-reactivity with other basement membrane proteins such as laminin 1, collagen IV, entactin, fibronectin, BM-40, perlecan, or vitronectin.

Specificity & Preparation: This rat IgG2a antibody is generated against a laminin-depleted basement membrane protein extract from a mouse EHS tumor cell line and recognizes BM180 in mice.

Usage: Applications include western blot, ELISA and immunohistochemistry. 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.



Scan to view
all product
references.

Selected References:

1. Laurie GW, Glass JD, Ogle RA, Stone CM, Sluss JR, Chen L (1996) "BM180": a novel basement membrane protein with a role in stimulus-secretion coupling by lacrimal acinar cells. Am J Physiol 270(6 Pt 1):C1743-C1750. doi: 10.1152/ajpcell.1996.270.6.C1743 PMID: 8764158

To view protocol(s) for this and other products please visit: www.ATSBio.com/library/protocols