

Monoclonal Antibody to EOSINOPHIL MAJOR BASIC PROTEIN

Catalog No.:	BM116
Quantity:	1 ml
Concentration:	10 µg/ml
Host / Isotype:	Mouse / IgG1
Clone:	BMK-13
Format:	State: Liquid Tissue Culture Supernatant containing 0.09% Sodium azide
Applications:	Immunohistochemistry on frozen and paraffin* sections: 1/15 - 1/30. ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the Eosinophil Major Basic Protein (EMBP), a 117 amino acid protein, corresponding to residues 106-222 of Bone marrow proteoglycan (precursor). The antibody stains both resting and activated eosinophils of bronchial and skin sections of allergic and normal sites and may be considered a "Pan eosinophil" marker. The clone cross reacts weakly with basophils which also contain low levels of EMBP. No cross reactivity with other human cells or proteins has been noted. Species: Human, Rat, Guinea Pig. Other species not tested.
Add. Information:	* Staining requires antigen retrieval with pepsin. Do not use heat induced retrieval methods.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
General Readings:	1. Moqbel R, Barkans J, Bradley BL, Durham SR, Kay AB. Application of monoclonal antibodies against major basic protein (BMK-13) and eosinophil cationic protein (EG1 and EG2) for quantifying eosinophils in bronchial biopsies from atopic asthma. Clin Exp Allergy. 1992 Feb;22(2):265-73. PubMed PMID: 1373987. 2. Haczku A, Moqbel R, Jacobson M, Kay AB, Barnes PJ, Chung KF. T-cells subsets and activation in bronchial mucosa of sensitized Brown-Norway rats after single allergen exposure. Immunology. 1995 Aug;85(4):591-7. PubMed PMID: 7558154. 3. Hashimoto Y, Nagaoka I, Yamashita T. Purification of the antibacterial fragments of guinea-pig major basic protein. Biochim Biophys Acta. 1993 Dec 8;1203(2):236-42. PubMed

