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OriGene EU

BM116

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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.

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

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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PMID: 8268206.

