

Product datasheet for **AM32177PU-N**

Major Basic Protein (PRG2) Mouse Monoclonal Antibody [Clone ID: BMK-13]

Product data:

Product Type: Primary Antibodies

Clone Name: BMK-13

Applications: ELISA, IHC

Recommended Dilution: **ELISA.**

Immunohistochemistry on frozen and paraffin sections: It stains in bronchial sections 98% of the periphere blood eosinophils.

Most useful for immunohistochemistry on frozen sections is the APAAP method. BMK-13 also binds to eosinophils in paraffin-embedded tissue.

A 1:30 dilution in PBS is recommended.

Incubation time: 1 hour at RT.

Enzymatic pretreatment is necessary. We recommend to use pepsine.

Do **NOT** use heat denaturation.

This antibody is suitable for blood smears (cytospins) if fixed with methanol-acetone mixture (1/1, v/v).

It is unlikely, without permeabilization, that the BMK13 is suitable for the flow cytometry because BMK13 stains intracellular, stored proteins.

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Specificity: BMK-13 binds to the 10 kD eosinophil Major Basic Protein (MBP) of both resting and activated eosinophils in cytospins and frozen sections of bronchial and skin biopsies of allergic sites and normal sites and thus can be used as a "pan-eosinophil" marker. The antibody BMK-13 stains in frozen sections of bronchial biopsies from atopic asthmatics, rhinitics and normal non-atopic subjects, substantially higher counts of positive cells when compared to EG1, EG2 and chromotrope 2R. BMK-13 cross-reacts weakly with human basophils, which also contain low level of this protein. It does not cross-react with any other human protein or cell.



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Formulation:	PBS State: Purified State: Liquid purified Ig fraction Stabilizer: 0,1% BSA Preservative: 0,02% sodium azide
Concentration:	lot specific
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)
Database Link:	Entrez Gene 5553 Human P13727
Synonyms:	PRG2, Bone marrow proteoglycan, BMPG, EMBP