## Description
MOUSE ANTI HUMAN EOSINOPHIL MAJOR BASIC PROTEIN

## Specificity
EOSINOPHIL MAJOR BASIC PROTEIN

## Format
Purified

## Product Type
Monoclonal Antibody

## Clone
BMK-13

## Isotype
IgG1

## Quantity
0.1 mg

### Applications
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Method</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunohistology - Frozen (1)</td>
<td>•</td>
<td></td>
<td></td>
<td>1/20 - 1/50</td>
</tr>
<tr>
<td>Immunohistology - Paraffin (2)</td>
<td>•</td>
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<td>1/20 - 1/50</td>
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</tbody>
</table>

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

1. **It is recommended that sections are fixed in a 1:1 mixture of acetone and methanol and air-dried for 1 hour. Good results may be achieved via staining with the APAAP method.**
2. **This product requires enzymatic pre-treatment of paraffin sections prior to staining. Pepsin is recommended for this purpose. NB. Heat-mediated antigen retrieval methods should not be used.**

### Target Species
Human

### Species Cross Reactivity
Reacts with: Rat
Reacts weakly with: Guinea Pig

**N.B.** Antibody reactivity and working conditions may vary between species.

### Product Form
Purified IgG - liquid

### Buffer Solution
Phosphate buffered saline

### Preservative Stabilisers
0.02% Sodium Azide (NaN₃)
0.1% Bovine Serum Albumin

### Approx. Protein Concentrations
IgG concentration 0.1mg/ml
External Database Links

UniProt:  P13727  Related reagents

Entrez Gene:  5553  PRG2  Related reagents

Synonyms  MBP

Specificity  Mouse anti Human Eosinophil Major Basic Protein antibody, clone BMK-13 recognises the Eosinophil Major Basic Protein (EMBP), a 117 amino acid protein, corresponding to residues 106-222 of Bone marrow proteoglycan (precursor). Mouse anti Human Eosinophil Major Basic Protein antibody, clone BMK-13 stains both resting and activated eosinophils of bronchial and skin sections of allergic and normal sites and may be considered a Pan eosinophil marker. Mouse anti Human Eosinophil Major Basic Protein antibody, clone BMK-13 cross reacts weakly with basophils which also contain low levels of EMBP. No cross reactivity with other human cells or proteins has been noted.

References

1. Moqbel, R. et al. (1992) 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. 22 (2): 265-73.
1061-1064.e4.

Storage
Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee
Guaranteed until date of expiry. Please see product label.

Health And Safety Information
Material Safety Datasheet documentation #10041 available at:

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...) DyLight®800
Rabbit Anti Mouse IgG (STAR813...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)