



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet Mouse Anti Major Basic Protein

Catalog No.
MD-14-0917

Host Animal
Mouse

Isotype
IgG₁

Description

Monoclonal Antibody to Human Eosinophil Major Basic Protein (MBP)

Preparation

Source: Tissue culture supernatant

Purification: Protein A chromatography

Formulation

Product Form: Purified, Liquid

Buffer Solution: PBS containing 1mg/ml BSA

Preservative Stabilizers: 10mM Sodium azide

Approx. Protein Concentration: 100ug/ml

Specificity

Specific for eosinophil major basic protein irrespective of the stages of eosinophil activation. Recognizes the 23.8kDa secreted pro-form of MBP (Pregnancy associated MBP) and the 13.8kDa mature form found in the matrix of the eosinophil large specific granule. Does not cross-react with horse, mouse or rat MBP.

Applications

Suitable for use in IHC with fresh frozen tissue (fix in methanol:acetone), IHC with formalin fixed paraffin-embedded tissue (treat with 0.1% trypsin before blocking), Western blot and ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Storage

Short-term (up to 1 month) store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple/freeze thaw cycles.

References

1. Bernardes, J.F., et al., (2004), “Protein nitration in chronic sinusitis and nasal polyposis: role of eosinophils”, *Otolaryngol. Head and Neck Surg.*, 131(5): 696-703
2. Ying, S., et al., (2002), “Methods for identifying human eosinophils in blood and tissue”, *ACI International*, 14:64–71.
3. Moqbel, R. et al., (1992), “Application of monoclonal antibodies against major basic protein (BMK-13) and eosinophil cationic protein (EG1 and EG2) for qualifying eosinophils in bronchial biopsies from atopic asthma”, *Clin. Exp. Allergy*, 22, 265–73.
4. Kroegel, C. (1990), “The role of eosinophils in asthma”, *Lung*, 168 (Suppl) 5–17.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**