

## Product datasheet for BM116S

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### Major Basic Protein (PRG2) Mouse Monoclonal Antibody [Clone ID: BMK13]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BMK13
Applications:	ELISA, IHC, WB
Recommended Dilution:	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 ELISA
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	Specific for eosinophil major basic protein irrespective of the stages of eosinophil activation and can be regarded as an eosinophil marker. The antibody will recognize the 23.8 kDa secreted pro-form of MBP (Pregnancy associated MBP) and the 13.8 kDa mature form found in the matrix of the eosinophil large specific granule.
Formulation:	PBS with 0.09% sodium azide as preservative and 0.1% BSA as stabilizer. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2 - 8°C for one month or 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](#)

**Background:** PRG2 is a cytotoxin and helminthotoxin. It also induces noncytolytic histamine release from human basophils and is involved in antiparasitic defense mechanisms and immune hypersensitivity reactions. The proform acts as a proteinase inhibitor, reducing the activity of PAPPA. In pregnancy serum, the proform exists as a disulfide-linked 2:2 heterotetramer with PAPPA, as a disulfide-linked 2:2 heterotetramer with AGT, and as a complex (probably a 2:2:2 heterohexamer) with AGT and C3dg.

**Synonyms:** PRG2, Bone marrow proteoglycan, BMPG, EMBP