

Product datasheet for **BM4115**

EMAP II (AIMP1) Mouse Monoclonal Antibody [Clone ID: 546-2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	546-2
Applications:	ELISA, IHC, WB
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 10 µg/ml (1/40) Immunohistochemistry on Paraffin Sections: 10 µg/ml (1/40). Microwave pretreatment for antigen retrieval is recommended. <i>Recommended Positive Control:</i> Rat spleen. Has been described to work in ELISA and Western Blot .
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant Human EMAPII. The epitope has not been further characterized.
Specificity:	This antibody reacts with Endothelial-Monocyte-Activating Polypeptide II (EMAP II).
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide as preservative State: Purified State: Lyophilized IgG fraction.
Reconstitution Method:	Reconstitute by adding 0.5ml distilled water.
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated thawing and freezing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aminoacyl tRNA synthetase complex interacting multifunctional protein 1
Database Link:	Entrez Gene 9255 Human Q12904



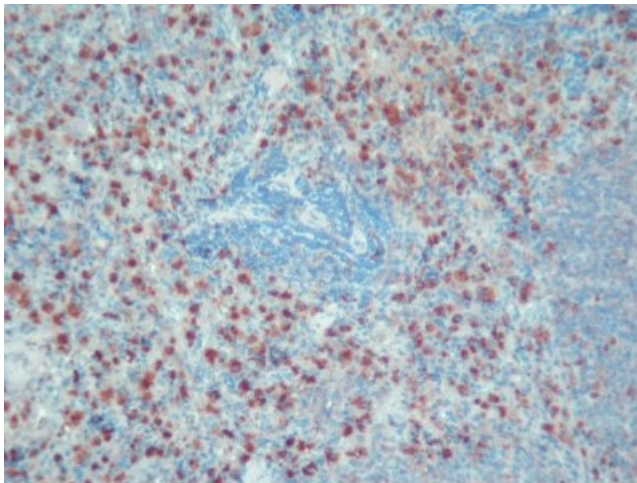
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Background:

EMAPII is a proinflammatory cytokine and chemoattractant of macrophages. The 20kDa mature peptide binds to endothelial cells and leukocytes like macrophages. EMAP II activates endothelial cells, by elevation of cytosolic free calcium concentration, release of von Willebrand factor, induction of tissue factor, and expression of adhesion molecules E-selectin and P-selectin. It further activates resting monocytes by elevating cytosolic free calcium concentration, inducing TNFalpha and tissue factor and stimulating chemotaxis. EMAP II has been shown in a tumor model to sensitize the local tumor vasculature to the action of TNFalpha, rendering resistant tumors sensitive to immunotherapy by TNFalpha.

Synonyms:

EMAP-2, EMAP-II, AIMP1

Product images:

EMAP2 antibody staining of Rat Spleen Paraffin Section.