OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM32277PU-N

Myeloperoxidase (MPO) Mouse Monoclonal Antibody [Clone ID: 266-6K1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	266-6K1
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	**Western Blot.** **Immunoassay.** **Immunoprecipitation.** **Immunohistochemistyr on frozen sections.** The typical starting working dilution is 1/50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The monoclonal antibody 266-6K1 reacts with Myeloperoxidase (MPO), a glycoprotein with an alpha2beta2 heteromultimer expressed in all cells of the myeloid linage.
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	myeloperoxidase
Database Link:	Entrez Gene 4353 Human P05164

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Background: MPO is abundantly present in azurophilic granules of polymorphonuclear neutrophils. It is an important enzyme used during phagocytic lysis of engulfed foreign particles which takes part in the defence of the organism through production of hypochlorous acid (HOCl), a potent oxidant. MPO is rapidly released by activated polymorphonuclear neutrophils. Involvement of MPO has been described in numerous diseases such as atherosclerosis, lung cancer, Alzheimer's disease and multiple sclerosis. Autoimmune antibodies to MPO are involved in Wegeners disease. Since the discovery of MPO deficiency, initially regarded as rare and restricted to patients suffering from severe infections, MPO has more attracted clinical attention. In experimental studies antibodies to MPO can be used for various purposes ranging from flow cytometric analysis to detection of polymorphonuclear neutrophils in tissue sections.

Synonyms: MPO