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Product datasheet for PP1055P2

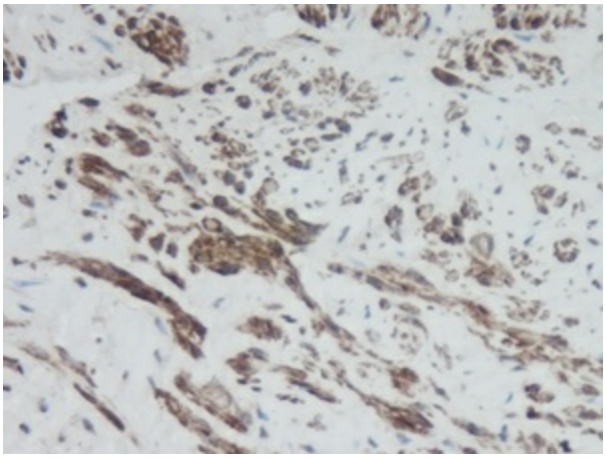
MIG (CXCL9) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	**ELISA:** 0.5-2.0 µg/ml (100 µl/well) will detect 0.2-0.4 ng/well of MIG. To detect Human MIG by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human MIG (Cat.-No PP1055B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human MIG. **Western Blot:** 0.1-0.2 µg/ml will detect 1.5-3.0 ng/lane under reducing or non-reducing conditions. **Neutralization:** 5-7 µg/ml will neutralize 50% of the biological activity of 100 ng/ml of MIG. **Immunohistochemistry on Frozen Sections or cells** has been described: 1 µg/ml recommended for starting dilution. **Immunohistochemistry on Paraffin Sections:** 0.25-0.50 µg/ml with an overnight incubation at 4°C. This antibody stained formalin-fixed paraffin-embedded sections of human renal tumor with parenchyma tissue. An HRP-labeled polymer detection system was used with a DAB chromogen. Optimal results for these conditions were achieved with heat induced antigen retrieval with a pH 6.0 sodium citrate buffer.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly purified (>98%) E.coli derived recombinant Human MIG.
Specificity:	Reacts with Human Monokine Induced by Interferon-gamma (MIG). Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography
Conjugation:	Unconjugated

Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-X-C motif chemokine ligand 9
Database Link:	Entrez Gene 4283 Human Q07325
Background:	MIG (monokine induced by interferon-gamma), a member of the alpha-chemokine family (CXC) of cytokines, is produced by stimulated monocytes, macrophages and endothelial cells. It signals through the CXCR3 receptor. MIG selectively chemoattracts Th1 lymphocytes, and also exerts other activities including inhibition of tumor growth, angiogenesis, and inhibition of colony formation of hematopoietic progenitors. Human MIG is active on murine cells.
Synonyms:	C-X-C motif chemokine 9, CXCL9, CMK, MIG, SCYB9
Note:	Centrifuge vial prior to opening!

Product images:



Immunohistochemistry This anti MIG antibody stained formalin-fixed paraffin-embedded sections of human renal tumor with parenchyma tissue. Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.