MPEG1 Mouse mAb

Catalog No	YP-mAb-19170
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	MPEG1
Protein Name	Macrophage-expressed gene 1 protein (Macrophage gene 1 protein) (Mpg-1)
Immunogen	Synthesized peptide derived from human MPEG1
Specificity	This antibody detects endogenous levels of MPEG1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Calculated Molecular Weight	79kD
Cell Pathway	[Isoform 1]: Cytoplasmic vesicle membrane ; Single-pass type I membrane protein . Bacterial infection induces translocation of the cytoplasmic vesicles to bacterium-containing phagocytic vesicles and fusing of the vesicles. .; [Isoform 2]: Secreted .
Tissue Specificity	Expressed constitutively in a variety of cell types including macrophages, natural killer cells, neutrophils, keratinocytes and monocytes (PubMed:26402460, PubMed:28705375, PubMed:7888681). In skin, expressed in both hematopoietic and non-hematopoietic cells with expression detected in a variety of cell types including keratinocytes, fibroblasts and endothelial cells (PubMed:30609079).
Function	Plays a key role in the innate immune response following bacterial infection by inserting into the bacterial surface to form pores (By similarity). By breaching the surface of phagocytosed bacteria, allows antimicrobial effectors to enter the bacterial periplasmic space and degrade bacterial proteins such as superoxide dismutase sodC which contributes to bacterial virulence (By similarity). Shows antibacterial activity against a wide spectrum of Gram-positive, Gram-negative and acid-fast bacteria . Reduces the viability of the intracytosolic pathogen L.monocytogenes by inhibiting acidification of the phagocytic vacuole of host cells

	which restricts bacterial translocation from the vacuole to the cytosol (By similarity). Required for the antibacterial activity of reactive oxygen species and nitric oxide (By similarity).
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images