

## Product datasheet for **BP1038HRP**

### Influenza A (Matrix Protein M1) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	Suitable for use in Immunocytochemistry and ELISA.
Reactivity:	Influenza A Virus
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Influenza A-Phillipines (H3N2).
Specificity:	Influenza A Matrix Protein (M1). Recognizes the Matrix protein for any strain of Influenza A. Conservation of the matrix protein sequence between hemagglutinin/Neuraminidase typed strains. Does not react with HEp-2 cells by indirect immunofluorescence. Does not react with Influenza B, Adenovirus, Respiratory syncytial virus and Parainfluenza viruses.(1-3)
Formulation:	0.01M PBS containing 10 mg/ml BSA as stabilizer and 0.002% Thimerosal as preservative. Label: HRP State: Liquid purified Ig fraction. Label: Highly purified preparation of Horseradish Peroxidase (RZ>3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is removed
Concentration:	lot specific
Conjugation:	HRP
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

Influenza virus type A matrix protein, also known as M1, is composed of a 252 amino acid sequence and is type-specific in influenza viruses. It is located inside the viral lipid envelope and plays a key role in virus assembly and replication. M1 can be isolated from particles by removing the envelope with detergents and reducing the pH to 4.0.

Influenza viruses are a common and widely spread infectious agent. Like many other viruses, influenza virus are constantly undergoing mutations and thereby avoiding the immune system. The Influenza A Virus M proteins form a continuous shell on the inner side of the lipid bilayer, maintaining the structural integrity of the virus particle through hydrophobic interactions.

**Synonyms:**

Influenza A Virus, Seasonal Flu