

## Anti-M2 (A/Brisbane/10/2007) (H3N2) Antibody

CATALOG NUMBER: IA-M2-A80, 100 µg

|                     |   |
|---------------------|---|
| <b>Introduction</b> | The M2 protein (matrix protein 2) is a proton-selective ion channel protein, the third integral membrane protein, of the influenza A virus. The channel itself is a homotetramer that consists of four identical M2 units. With the N-terminal methionine removed, the remaining N-terminal 23-amino acid sequence of M2 is known as M2 ectodomain (M2e). M2e is highly conserved in both human and avian influenza A viruses. It is widely used as a promising candidate target for developing a valid and versatile vaccine against all strains of human influenza A virus. |
| <b>Applications</b> | Western blot (1:200-1:2000) and ELISA. May be used for other applications.  |
| <b>Description</b>  | Rabbit polyclonal antibody  |
| <b>Immunogen</b>    | Synthesized 24-amino acid peptide, MSLLTEVETPIRNEWGCRCNDSSD, the ectodomain of matrix protein 2 (M2e) of the influenza A virus (A/Brisbane/10/2007/H3N2) (GenBank accession# ACO95272), which is identical to M2e sequence of (A/Hong Kong/4801/2014/H3N2).   |
| <b>Specificity</b>  | Reacts with the matrix protein 2 of influenza A that contains the same ectodomain sequence.   |
| <b>Purification</b> | Immunoaffinity chromatography   |
| <b>Isotype</b>      | IgG   |
| <b>Storage</b>      | Store at -20 °C; Do not freeze and thaw. Stable for 3-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.  |
| <b>Size</b>         | 2 µg/µl in PBS with 0.1% sodium azide   |

