

**Mouse Anti-Biotin [Hyb8]: MC0623**

**Intended Use:** For Research Use Only

**Description:** Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.

**Specifications:**

Clone: Hyb8  
Source: Mouse  
Isotype: IgG1  
Reactivity: Human  
Localization: Cytoplasm, membrane  
Formulation: Antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC, Flow Cyt., ICC/IF, ISH, WB  
Package:

Description	Catalog No.	Size
Biotin Concentrated	MC0623	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Biotinylated proteins in solution or on tissues  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.