

MAA074Hu22**Monoclonal Antibody to Immunoglobulin G1 (IgG1)****Organism Species: Homo sapiens (Human)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

8th Edition (Revised in Jun, 2013)

[PRODUCT INFORMATION]**Immunogen:** IgG1, Human**Clonality:** Monoclonal**Host:** Mouse**Immunoglobulin Type:** IgG**Purification:** Affinity Chromatography.**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Concentration:** 500µg/mL**UOM:** 200µg**[IMMUNOGEN INFORMATION]****Immunogen:** IgG1 is isolated from a pool of human plasma.**USCN Accession No.:** NPA074Hu91**[RELEVANCE]**

Immunoglobulin G (IgG) is one of the most abundant proteins in serum and the major components of the immune system. IgG is important for our defence against microorganisms and the molecules, which are produced by B lymphocytes as a part of our adaptive immune response. By binding many kinds of pathogen—representing viruses, bacteria, and fungi—IgG protects the body from infection. There are four IgG subclasses (IgG1, 2, 3, and 4) in humans, named in order of their abundance in serum (IgG1 being the most abundant).

[ANTIBODY SPECIFICITY]

The antibody is a mouse monoclonal antibody raised against IgG1. It has been selected for its ability to recognize IgG1 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.