LAA050Hu72
Biotin-Linked Monoclonal Antibody to Insulin Like Growth Factor 1 (IGF1)
Organism Species: Homo sapiens (Human)
Instruction manual

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

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Monoclonal antibody preparation
Host: Mouse
Purification: Protein A/G Affinity Chromatography.
Clone number: D4
Label: Biotin
Original Antibody: MAA050Hu21
Traits: Liquid
Concentration: 500µg/mL
UOM: 200µg
Applications: WB; IHC; ICC.

[IMMUNOGEN]

Immunogen: Recombinant IGF1 (Gly49~Ala118) expressed in *E.coli*.
Accession No.: RPA050Hu01

[APPLICATIONS]

Western blotting: 0.5-5µg/mL
Immunocytochemistry in formalin fixed cells: 5-30µg/mL
Immunohistochemistry in formalin fixed frozen section: 5-30µg/mL
Immunohistochemistry in paraffin section: 5-30µg/mL
Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant IGF1 disposed in loading buffer.
Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
        5uL per well when used in enhanced chemilumescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN$_3$.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.