

Anti- human ANNEXIN A1 Mouse Monoclonal Antibody

Clone: 3A8 REF RU00079

Intended use

Anti- human ANNEXIN A1 (Clone: 3A8) Mouse Monoclonal Primary Antibody is intended for research use only. Not for use in diagnostic procedures. Not for human or animal consumption.

Background

Annexin I belongs to a family of Ca(2+)-dependent phospholipid binding proteins which have a molecular weight of approximately 35,000 to 40,000 and are preferentially located on the cytosolic face of the plasma membrane. Annexin I protein has an apparent relative molecular mass of 40 kDa, with phospholipase A2 inhibitory activity. Since phospholipase A2 is required for the biosynthesis of the potent mediators of inflammation, prostaglandins and leukotrienes, annexin I may have potential anti-inflammatory activity.

Alternative names: ANX1; LPC1; ANXA1

Reagent provided

Anti-human ANNEXIN A1 Mouse Monoclonal Primary Antibody (Clone: 3A8) is provided in liquid form in 20mM Sodium phosphate, 150mM Sodium chloride, 0.2% BSA, 0.09% Sodium azide, pH 7.4. The isotype of the antibody is IgG1,k. The protein concentration is approximately 0.4 +/- 0.05 mg/mL.

For immunohistochemistry, the primary antibody may be used at a working dilution of 1:100 – 1:200 for formalin-fixed, paraffin-embedded human tissue. It can be dependent upon the detection system used. These are guidelines only, and optimal dilutions should be determined by the individual laboratory.

Immunogen

Full length human recombinant protein of human ANNEXIN A1 (NP_000691) was produced in HEK293T cell.

Specificity

The specificity of the anti-human ANNEXIN A1 Mouse Monoclonal Primary Antibody was established on known human breast tissue. The anti-human ANNEXIN A1 presented no staining on human N1 heart tissue and positive staining on human breast tissue using immunohistochemical (IHC) test methods.

Precautions

1. This product contains sodium azide (NaN₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, NaN₃ may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
2. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
3. Unused reagents should be disposed of according to local, State, and Federal regulations.
4. Suitability for specific application may vary and it is the responsibility of the end user to determine the appropriate application for use and stability.

Storage

Store at 2-8°C. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

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