

CD95 (Fas) Ab-3 (Clone GM30)

Mouse Monoclonal Antibody

Cat. #MS-1098-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)

Cat. #MS-1098-PCS (5 Slides) (Positive Control for Histology)

Description: CD95, also known as Fas, is a transmembrane glycoprotein. It is a member of the nerve growth factor receptor/tumor necrosis factor superfamily. This cell surface molecule mediates receptor-triggered apoptosis. The Fas antigen is expressed on the surface of various cell types, including activated T and B lymphocytes and T lymphoblastoid cell lines.

Comments: Ab-3 will enable further investigation of the expression of Fas antigen in normal and malignant tissues as well as in studies of the interaction of Fas and Fas ligand.

Mol. Wt. of Antigen: 48kDa

Epitope: Internal domain near the C-terminus

Species Reactivity: Human. Others not-known.

Clone Designation: GM30

Ig Isotype: IgG₁

Immunogen: Recombinant protein corresponding to the internal domain near the C-terminal end of the Fas molecule.

Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin)
(Use Ab at 1:15-1:30 for 60 min at RT)
- [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (**NEOMARKERS'** Cat. #AP-9003), for 10-20 min followed by cooling at RT for 20 min.]
 - Immunohistochemistry requires the use of a high-efficiency detection system such as UltraVision LP (Cat# TL-015).

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Small intestine

Cellular Localization: Cell membrane

Supplied As:

Tissue culture supernatant with 0.09% sodium azide,

or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability:

Store vial at -20°C. When stored at -20°C, this antibody is stable for 24 months. Diluted antibody is stable for two weeks when stored at 4°C.

Suggested References:

1. Sasaki Y, et al. British Journal of Urology. 81: 852-855 (1998).
2. Sugihara A, et al. Anticancer Research. 17: 3861-3866 (1997).
3. Kondo E, et al. J. Pathol. 183(1):75-79(1997).

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only

