



Category:
Monoclonal Antibodies

Cat. #
V7098-2

Product Name:
CD 98, clone U218 (98C01)

Description:
Monoclonal Mouse Anti-Human CD98.

Immunogen:
Human leucocytes.

Cellular Localization:
Cell membranes.

Application:
-Immunohistochemistry 1:50 on frozen tissue sections, Flow Cytometry 1:100-1:200.
-THE OPTIMAL DILUTION SHOULD BE DETERMINED BY THE INDIVIDUAL LAB.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Tonsil, Thymus, Spleen

Presentation:
20 mM PO4, 150 mM Sodium Chloride, BSA 10mg/ml, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Staining Procedure:
This antibody can be used on frozen tissue sections. The antibody may be used at a dilution of 1:50-1:100. The optimal conditions should be determined by the individual laboratory.

Specificity:
This antibody reacts with CD98, a heterodimer containing a disulfide-linked glycosylated heavy chain and a non-glycosylated light chain. The heavy chain - a type II integral membrane protein - contains a 50-81 amino acid NH₂- terminal cytoplasmic domain, a large extracellular domain, and a single transmembrane sequence. CD 98 can be detected on activated B cells and monocytes.

Storage:
Store at 2~8°C for short term, freeze under -20°C for long term storage.

Size: 0.2mg
Clone: U218 (98C01)
Isotype: IgM
Conjugate: n/a
Host: Mouse
Form: purified
Mol. Wt. of Antigen: 80-90kD
Concentration: 0.5mg/ml
Units On Hand: YES

References:
1. The Sixth International Workshop and Conference on Human Leukocyte Differentiation Antigens, Kobe, Japan, 1996.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com