

CEACAM8 Monoclonal Antibody (80H3)

Catalog Number MA1-34517

Product data sheet

| Details | | Species Reactivity | |
|--------------------|--|--|-----------------|
| Size | 40 µg | Species reactivity | Human |
| Host/Isotope | Mouse / IgG1 | Tested Applications | |
| Class | Monoclonal | Flow Cytometry (Flow) | 1:50-1:100 |
| Type | Antibody | Functional Assay (FN) | Assay-dependent |
| Clone | 80H3 | Immunohistochemistry (Frozen) (IHC (F)) | 1:25-1:100 |
| Immunogen | Human leukocytes from individuals with CML. | Western Blot (WB) | Assay-dependent |
| Conjugate | Unconjugated | * Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls. | |
| Form | Liquid | | |
| Concentration | 1 mg/mL | | |
| Purification | Protein A | | |
| Storage buffer | PBS with 0.5% BSA | | |
| Contains | 0.09% sodium azide | | |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. | | |

Product specific information

Recommended positive controls: Bone marrow. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of all variants has not been defined.

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