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Datasheet for ABIN114594 anti-CEACAM1 antibody

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Overview

| Quantity: | 0.1 mg |
|-----------------|--|
| Target: | CEACAM1 |
| Reactivity: | Human, Mammalian |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This CEACAM1 antibody is un-conjugated |
| Application: | Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA) |
| Product Details | |
| Immunogen: | Genetic immunisation with cDNA encoding the extracellular region of Human CEACAM1-A2. Based on recognition of the complete native protein expressed on transfected mammalian cells. |
| Clone: | 8G5 |
| lsotype: | lgG1 |
| Specificity: | This antibody detects complete native protein expressed on transfected cells. |

Purification: Protein G Chromatography

Target Details

| Target: | CEACAM1 |
|-------------------|------------------------------------|
| Alternative Name: | CD66a / CEACAM1 (CEACAM1 Products) |

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Target Details

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| Application Notes: | Flow cytometry: 1.2 µg/10^6 cellsCompetitive ELISA: 1: 200 - 1: 400. ELISA: 1: 200 - 1: 400. |
|---------------------------|--|
| | Immunoflourescence. Immunohistology: 10 µg/mL (on cryosections). |
| | Other applications not tested. |
| | Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions: | For Research Use only |
| Handling | |
| | |
| Concentration: | 1.0 mg/mL |
| Concentration: Buffer: | 1.0 mg/mL PBS, pH 7.2 |
| | |
| Buffer: | PBS, pH 7.2 |

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There are more publications referencing this product on: Product page



Image 1. Fig. 1: Specificity testing of GM8G5. BOSC cells were transiently transfected with expression vectors containing the cDNA of either CEACAM1, 3, 4, 5, 6, 7 or 8. Expression of the constructs was tested with monoclonal antibodies known to recognise the corresponding proteins (B, coloured curves, D14HD11, BAC2, 80H3), an irrelevant monoclonal antibody served as negative control (red curves). For specificity testing (A), GM8G5 hybridoma supernatant was tested on all CEACAM transfectants. A positive signal was obtained only with CEACAM1 transfected cells (purple curve).



Image 2. Fig. 2: GM8G5 on renal cell carcinoma (RCC). Hybridoma supernatant of GM8G5 recognises CEACAM1 expressed on the surface of native RCC (orange curve) and on RCC stimulated with IFN (red curve). PBS served as negative control (black curve).



Image 3. Fig. 3: Immunohistological staining of colon tissue with GM8G5. Cryosections of colon tissue were stained with 10 ug/ml GM8G5 diluted in PBS containing 2.5% horse serum (B). PBS 2.5% horse serum served as negative control (A). Arrows indicate representa-tive sections of analysed tissues. Detection of GM8G5 occurred with a biotinylated anti-mouse-IgG secondary antibody and a streptavidin-peroxidase conjugate. Diaminobenzidine was used as substrate. Nuclei were stained with hematoxilin

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