



# CD66c/d Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-14057                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>                   | CEACAM3/CEACAM6                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from the Internal region of human CEACAM3/CEACAM6. AA range:31-80                                                                                                                                                                                                                                                                      |
| <b>Specificity</b>                 | CD66c/d Polyclonal Antibody detects endogenous levels of CD66c/d protein.                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                 |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>                    | CD66c/d;CEACAM3/CEACAM6;Carcinoembryonic antigen-related cell adhesion molecule 3/Carcinoembryonic antigen-related cell adhesion molecule 6; CEACAM3;CD66D;CGM1;Carcinoembryonic antigen-related cell adhesion molecule 3;Carcinoembryonic antigen CGM1;CEACAM6;NCA; Carcinoembryonic antigen-related cell adhesion molecule 6;Non-specific crossreacting antigen;Normal cross-reacting antigen;CD66c |
| <b>Observed Band</b>               | 30kD                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Calculated Molecular Weight</b> | 30kD                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>                | Membrane; Single-pass type I membrane protein.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tissue Specificity</b>          | CGM1a, the predominant CGM1 transcript, is granulocyte-specific. Not detected out of the granulocytic lineage, such as monocytes, lymphocytes, spleen, testis, colon, brain, liver, pancreas, thymus, ovary, placenta, skeletal muscle, prostate, small intestine, heart, lung and kidney.                                                                                                            |
| <b>Function</b>                    | caution:This is not the ortholog of rat CEACAM3.,domain:The cytosolic domain is involved in S100A9 interaction.,function:Major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including Neisseria, Moxarella and Haemophilus species, thus                                                                               |



playing an important role in the clearance of pathogens by the innate immune system. Responsible for RAC1 stimulation in the course of pathogen phagocytosis.,PTM:Tyrosine-phosphorylated in response to microbial binding. Tyr-230 and Tyr-241 are both required for phosphorylation to be detected., similarity:Belongs to the immunoglobulin superfamily. CEA family., similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain., subunit:Interacts with S100A9/calprotectin. This interaction is calcium-dependent, but independent of CEACAM3 phosphorylation.,tissue specificity:CGM1a, the pred

**Background**

This gene encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2013],

**matters needing attention**

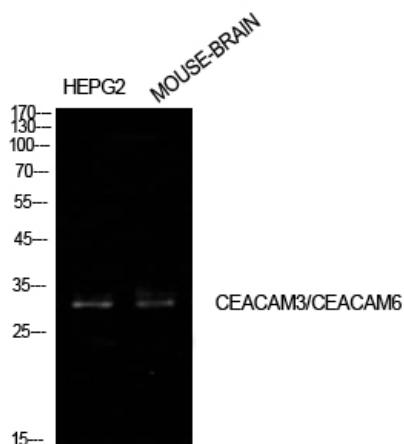
Avoid repeated freezing and thawing!

**Usage suggestions**

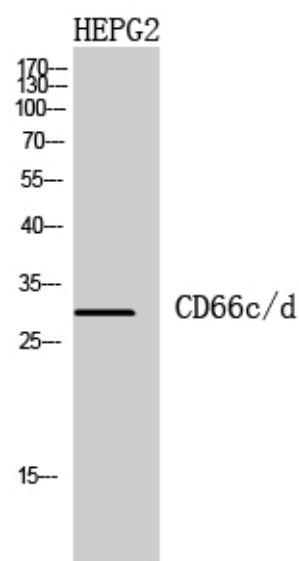
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western Blot analysis of HepG2, mouse brain cells using CD66c/d Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of HEPG2 cells using CD66c/d Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000