

## Summary

|                        |                                 |
|------------------------|---------------------------------|
| <b>Production Name</b> | CD116 Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody       |
| <b>Host</b>            | Mouse                           |
| <b>Application</b>     | IHC                             |
| <b>Reactivity</b>      | Human                           |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Unmodified                                                                               |
| <b>Isotype</b>      | Mouse IgG2a                                                                              |
| <b>Clonality</b>    | Monoclonal                                                                               |
| <b>Form</b>         | Liquid                                                                                   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Purified antibody in PBS with 0.05% sodium azide                                         |
| <b>Purification</b> | Affinity Purification                                                                    |

## Immunogen

|                          |                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | CD116                                                                                                                    |
| <b>Alternative Names</b> | GMR;CD116;CSF2R;SMDP4;CDw116;CSF2RX;CSF2RY;GMCSFR;CSF2RAX;CSF2RAY;alpha GMR;GMR-alpha;GMCSFR-alpha;GM-CSF-R-alpha;CSF2RA |
| <b>Gene ID</b>           | 1438.0                                                                                                                   |
| <b>SwissProt ID</b>      | P15509.                                                                                                                  |

## Application

|                         |                 |
|-------------------------|-----------------|
| <b>Dilution Ratio</b>   | IHC:1:200-1:400 |
| <b>Molecular Weight</b> | 46.2kDa         |

## Background

**Product Name: CD116 Mouse Monoclonal Antibody**  
**Catalog #: AMM82980**

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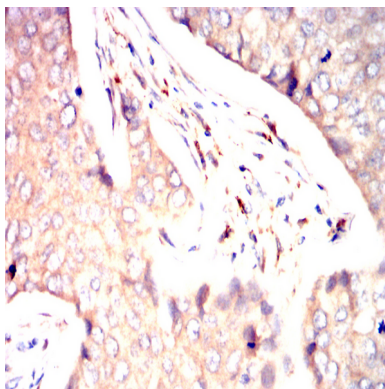


The protein encoded by this gene is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. The encoded protein is a member of the cytokine family of receptors. This gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Multiple transcript variants encoding different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble. [provided by RefSeq, Jul 2008]

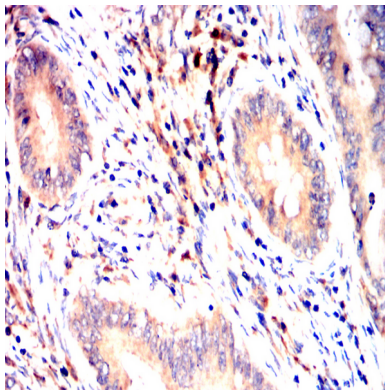
## Research Area

MAPK signaling pathway

## Image Data



Immunohistochemical analysis of paraffin-embedded breast cancer tissues using CD116 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using CD116 mouse mAb with DAB staining.

## Note

For research use only.