

Datasheet for ABIN5611218
anti-CD16 antibody (AA 17-208)[Go to Product page](#)

4 Images

Overview

| | |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity: | 0.1 mg |
| Target: | CD16 |
| Binding Specificity: | AA 17-208 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Application: | Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Neutralization (Neut) |

Product Details

| | |
|---------------|--------------------------------------------------------------------------------------|
| Immunogen: | Purified recombinant fragment of human CD16 (AA: extra 17-208) expressed in E. coli. |
| Clone: | 2G10A9 |
| Isotype: | IgG1 |
| Purification: | purified |

Target Details

| | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | CD16 |
| Alternative Name: | CD16 (CD16 Products) |
| Background: | Description: This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other other antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby |

Target Details

gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Aliases: FCGR3A, FCG3, CD16A, FCGR3, IGFR3, IMD20, FCR-10, FCRIII, FCGRIII, FCRIIIA

Molecular Weight: 29 kDa

Gene ID: 2214

HGNC: 2214

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A

Restrictions: For Research Use only

Handling

Format: Liquid

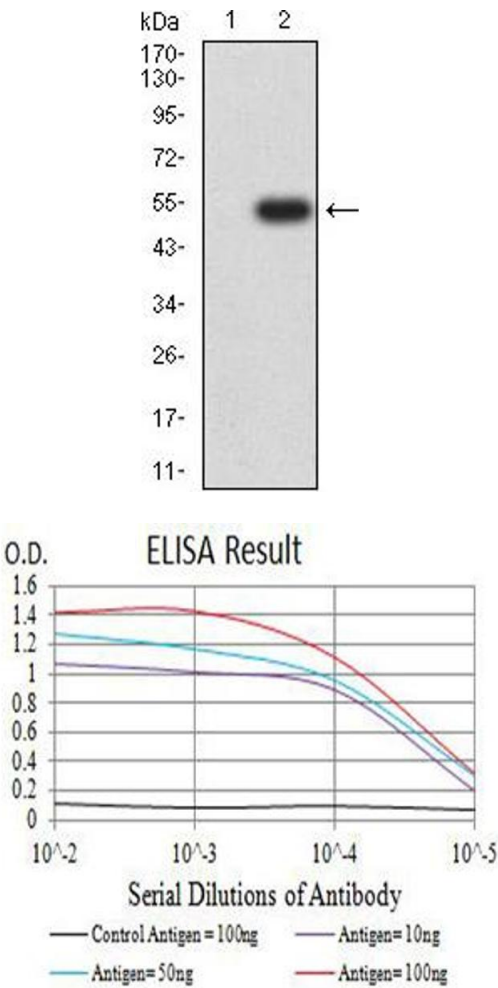
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

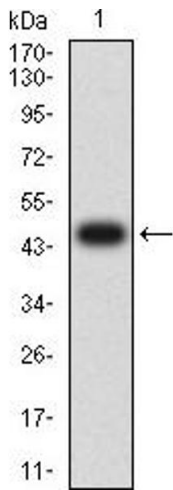


Western Blotting

Image 1. Western blot analysis using CD16 mAb against HEK293 (1) and CD16 (AA: extra 17-208)-hlgGfc transfected HEK293 (2) cell lysate.

ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using CD16 mAb against human CD16 (AA: extra 17-208) recombinant protein. (Expected MW is 47.8 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5611218.