

## CD16 Monoclonal Antibody(Q32)

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0017
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic Peptide of CD16
<b>Mol wt</b>	27940
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IHC-p, IF,
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Low affinity immunoglobulin gamma Fc region receptor III-A
<b>Synonyms</b>	FCGR3A; FCGR3B

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

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 antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby 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.

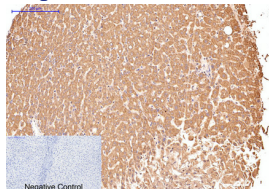
### Recommended Dilution

IHC: 1:50-300

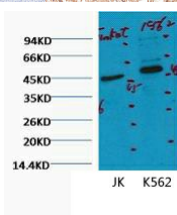
WB: 1:1000

Not yet tested in other applications.

### Images



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1.CD16 Monoclonal antibody(Q32) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Western blot analysis of 1) Jurkat, 2) K562. diluted at 1:2000.

## Storage

-20°C for one year

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