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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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C3 antibody [M68]

Cat No. GTX02807

Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Application	WB, IP
Reactivity	Human

Package
100 µl

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Dilution
WB	1-5 µg/ml
IP	Assay dependent

Note : For the best detection sensitivity, the samples should be treated under non-boiled and non-reducing conditions.

Not tested in other applications.

Calculated MW	187 kDa. (Note)
Specificity/Sensitivity	The antibody detects the 50-kDa complement C3 fragment. The identified sequences include thee segments: a.a. 1321-1600, a.a. 200-440, and a.a. 741-930.

PROPERTIES

Form	Liquid
Buffer	PBS, 50% glycerol
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Human native protein
Purification	Purified by protein A
Conjugation	Unconjugated
Note	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

For full product information, images and publications, please visit our website.

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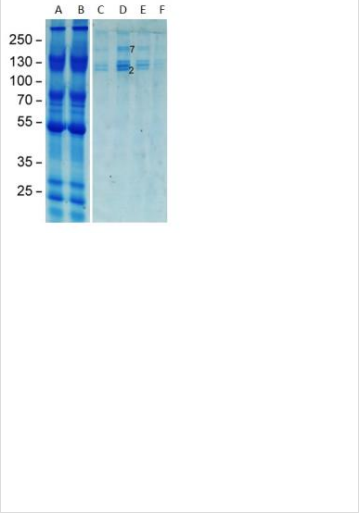
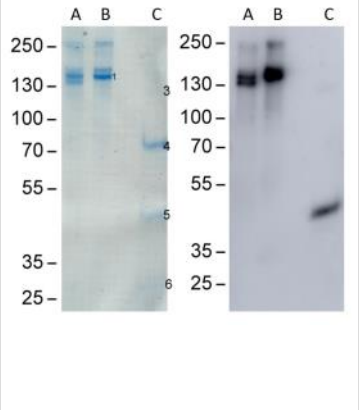
DATA IMAGES



GTX02807 IP Image

The two groups of complement C3 proteins can be purified by GTX02807 C3 antibody [M68] immunoaffinity chromatography from the partially purified milk fractions. Human milk proteins were loaded onto CM-Sepharose 4B column and proteins, including C3, were eluted by different salt (NaCl) concentration. The slat concentration was smaller than 0.3 N. The CM low salt fractions were collected and loaded to the mAb M68-Sepharose column to purify C3. After washing the immunoaffinity column, the captured proteins were eluted by 0.1 N glycine buffer pH 2.4. The eluates were collected into several fractions, E1, E2, E3, E4, E5 and E6. E1-E4 fractions were analyzed by SDS-PAGE and the eluted proteins were stained by CBB.
The protein band 2 and 7 as indicated are sliced out and subjected to MS/MS protein identification (by Prottech Inc.), confirming these bands to be complement C3. The relative abundance of peptides matching to C3 is 98% for band 2 and 96% for band 7.
For the best detection sensitivity, the samples should be treated under non-boiled and non-reducing conditions.
Lane A : Input (partially purified milk fractions)
Lane B : Flow through
Lane C : Elution 1
Lane D : Elution 2
Lane E : Elution 3
Lane F : Elution 4
Loading : 20 µl



GTX02807 WB Image

The purified complement C3 can be dissociated into four protein bands under reducing and boiled condition. The epitope recognized by GTX02807 C3 antibody [M68] is on the 50-kDa fragment.
The epitope recognized by GTX02807 is significantly destroyed by boiling and reducing treatment and requires much more proteins loaded for the detection.
The protein band 1, 3, 4, 5, and 6 as indicated are sliced out and subjected to MS/MS protein identification, confirming these bands to be complement C3. The relative abundance of peptides matching to C3 is 97% for band 1, 75% for band 3, 98% for band 4, 91% for band 5, and 45% for band 6.
For the best detection sensitivity, the samples should be treated under non-boiled and non-reducing conditions.
Lane A : M68 E2 (contained C3 at highest concentration), 1 µl
Lane B : Boiled sample, 5 µl
Lane C : Boiled and reduced sample, 20 µl

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