abcam

Product datasheet

HRP Anti-Factor B antibody [KT24] ab106687

1 Image

Overview

Product name	HRP Anti-Factor B antibody [KT24]
Description	HRP Mouse monoclonal [KT24] to Factor B
Host species	Mouse
Conjugation	HRP
Tested applications	**Suitable for:** Sandwich ELISA
Species reactivity	**Reacts with:** Human
Immunogen	Purified Human Factor B from Human blood.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.01% Thimerosal (merthiolate) Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	KT24
Isotype	IgG1

Applications

The Abpromise guarantee	Our Abpromise guarantee covers the use of ab106687 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Sandwich ELISA		1/1000. Can be paired for Sandwich ELISA with Mouse monoclonal [KT21] to Factor B (ab110651). as Detection antibody.

Target

Function

Factor B which is part of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. Bb, a serine protease, then combines with complement factor 3b to generate the C3 or C5 convertase. It has also been implicated in proliferation and differentiation of preactivated B-lymphocytes, rapid spreading of peripheral blood monocytes, stimulation of lymphocyte blastogenesis and lysis of erythrocytes. Ba inhibits the proliferation of preactivated B-lymphocytes.

Involvement in disease

Defects in CFB are a cause of susceptibility to hemolytic uremic syndrome atypical type 4 (AHUS4) [MIM:612924]. An atypical form of hemolytic uremic syndrome. It is a complex genetic disease characterized by microangiopathic hemolytic anemia, thrombocytopenia, renal failure and absence of episodes of enterocolitis and diarrhea. In contrast to typical hemolytic uremic syndrome, atypical forms have a poorer prognosis, with higher death rates and frequent progression to end-stage renal disease. Note=Susceptibility to the development of atypical hemolytic uremic syndrome can be conferred by mutations in various components of or regulatory factors in the complement cascade system. Other genes may play a role in modifying the phenotype.

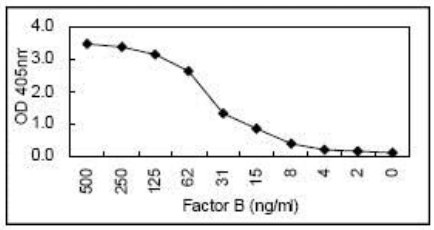
Sequence similarities

Belongs to the peptidase S1 family.
Contains 1 peptidase S1 domain.
Contains 3 Sushi (CCP/SCR) domains.
Contains 1 VWFA domain.

Cellular localization

Secreted.

Images



Sandwich ELISA - HRP Anti-Factor B antibody [KT24] (ab106687)

Sandwich ELISA showing ab106687 at 1/1000 dilution as detection antibody.

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