C1QB / Complement C1q B-Chain Antibody

Mouse Monoclonal Antibody [Clone C1QB/2962]

Catalog No	Format	Size
713-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
713-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
713-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

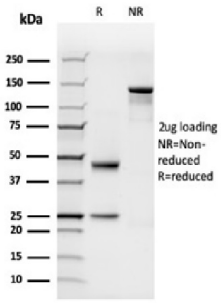
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

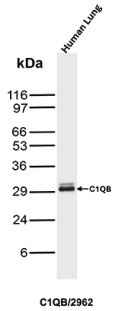
Clone	C1QB/2962
Gene Name	C1QB
Immunogen	Recombinant fragment (around aa 41-188) of human C1QB protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	26-29kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Human liver, kidney or brain tissue.

**Optimal dilution for a specific application should be determined.*

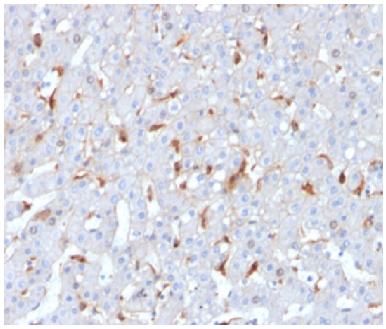
Product Images for C1QB / Complement C1q B-Chain Antibody



SDS-PAGE Analysis of Purified C1QB Mouse Monoclonal Antibody (C1QB/2962). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of human lung tissue lysates using C1QB Mouse Monoclonal Antibody (C1QB/2962).



Formalin-fixed, paraffin-embedded human hepatocellular carcinoma stained withC1QB Mouse Monoclonal Antibody (C1QB/2962).

Specificity & Comments

C1q, a subcomponent of the classical complement pathway, is composed of nine subunits that mediate classical complement activation and thereby play an important role in the immune response. Six of these subunits are disulfide-linked dimers of chains A and B, while three of these subunits, designated C1q-A through C1q-C, are disulfide-linked dimers of chain C. Each chain contains an N-terminal collagen-like region and a C-terminal C1q globular domain. The presence of receptors for C1q on effector cells modulates its activity, which may be antibody-dependent or independent. Macrophages are the primary source of C1q, while anti-inflammatory drugs as well as cytokines differentially regulate expression of the mRNA as well as the protein. C1q deficiency is associated with lupus erythematosus and glomerulonephritis.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Complement System, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.