

Anti-HSP60 Antibody [rGROEL/780] - BSA and Azide free (A252069)

Specifications:

Name:	Anti-HSP60 Antibody [rGROEL/780] - BSA and Azide free
Description:	Recombinant mouse monoclonal [rGROEL/780] antibody to HSP60.
Specificity:	This antibody recognizes a 60kDa protein, identified as the heat shock protein 60 (hsp60). Its epitope is localized between aa 383-447 of human hsp60. A wide variety of environmental and pathophysiological stressful conditions trigger the synthesis of a family of proteins known as heat shock proteins (hsps). hsp60 is a potential antigen in a number of autoimmune diseases. In human arthritis and in experimentally induced arthritis in animals, disease development coincides with the development of immune reactivity directed against not only bacterial hsp60, but also against its mammalian homolog. Clone rGROEL/780, unlike LK2, This antibody recognizes only the mammalian (not bacterial) hsp60 and is useful in distinguishing hsp60 from mammals and bacteria.
Applications:	WB, IHC-P
Recommended Dilutions:	WB: 0.25-0.5 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human, Mouse, Rat, Hamster, Sheep, Rabbit, Bovine, Canine, Porcine, Monkey, Chicken, Xenopus laevis, Drosophila
Cross Reactivity:	This antibody does not cross react with bacteria, helminths, or spinach.
Immunogen:	Recombinant full-length human HSP60 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	rGROEL/780
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

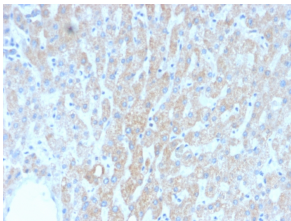
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Specifications continued:

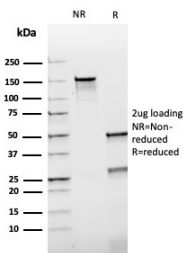
General Notes: This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-HSP60 Antibody [rGROEL/780] (A248889).

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

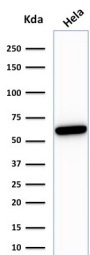
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human liver using Anti-HSP60 Antibody [rGROEL/780].



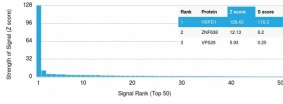
SDS-PAGE analysis of Anti-HSP60 Antibody [rGROEL/780] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Western blot analysis of HeLa cell lysate using Anti-HSP60 Antibody [rGROEL/780].

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Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-HSP60 Antibody [rGROEL/780]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.