

KD-Validated Anti-MHC class 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

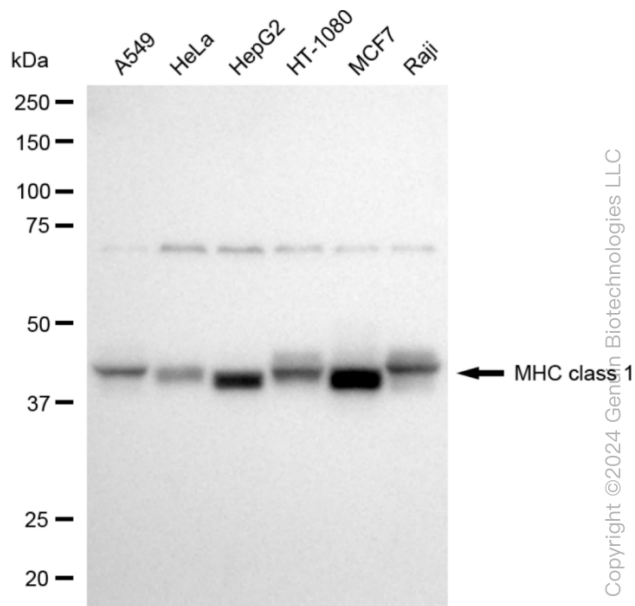
ABG1048

Product Overview

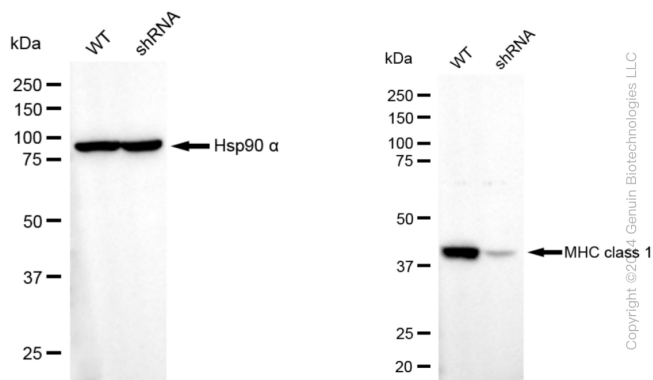
Name	KD-Validated Anti-MHC class 1 Rabbit Monoclonal Antibody
Accession(Primary)	P04439
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human MHC class 1
Species Reactivity	Human
Calculated MW	Predicted, 41 kDa, observed, 41 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (P04439)

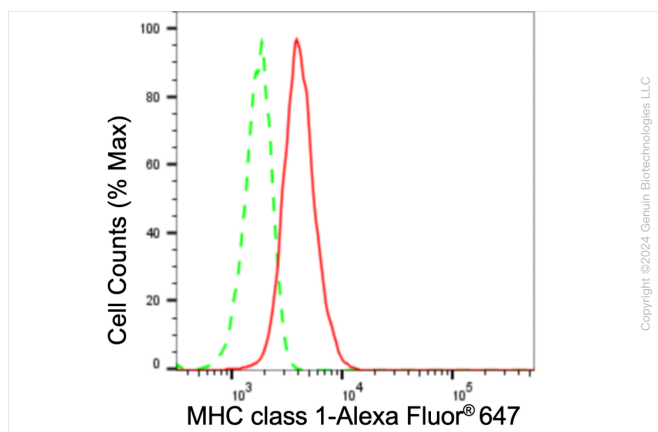
Gene Name	HLA-A
About Gene Symbol	HLA-A (Major Histocompatibility Complex, Class I, A) is a membrane receptor involved in adaptive immunity. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and



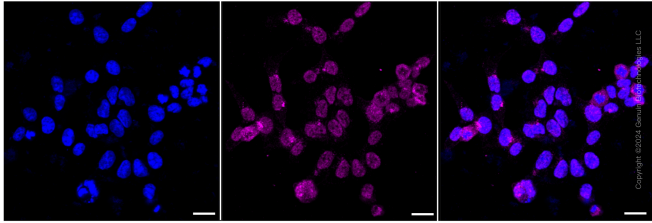
Western blotting analysis using anti-MHC class 1 antibody (Cat#ABG1048). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-MHC class 1 antibody (Cat#ABG1048, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-MHC class 1 antibody (Cat#ABG1048). MHC class 1 expression in wild type (WT) and HLA-A shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-MHC class 1 antibody (Cat#ABG1048, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of MHC class 1 expression in HeLa cells using MHC class 1 antibody (Cat#ABG1048, 1:2,000). Green, isotype control; red, MHC class 1.



Immunocytochemical staining of HAP-1 cells with anti-MHC class 1 antibody (Cat#ABG1048, 1:1,000). Nuclei were stained blue with DAPI; MHC class 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain:High. Scale bar, 20 μ m.