

## 12-4086: Isotype Control (Clone: G9) rabbit mAb

Clonality :	Monoclonal
Clone Name :	KLH-G9
Application :	ELISA,FACS,WB
Conjugate :	Unconjugated
Format :	Purified
Isotype :	Rabbit IgG1k
Immunogen Information :	Keyhole limpet hemocyanin carrier protein.

### Description

This product is useful as an isotype control for rabbit IgG. In all assays tested, we have not observed any significant non-specific binding from this antibody. This includes flow cytometry, Western blot, ELISA, and biolayer interferometry (Octet). We obtained this antibody from a mouse immunized with keyhole limpet hemocyanin (KLH). This antibody binds to specifically to KLH, an antigen not expressed on human cells, mouse cells, or other species. In contrast to isotype antibodies supplied by other vendors, which have unknown or unreported specificity, we let you know the target of this antibody so that you can determine if it is suitable as a control for your specific assay.

### Product Info

Amount :	200 µl
Content :	1X PBS, 0.02% NaN <sub>3</sub> , 50% Glycerol, 0.1% BSA
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Isotype control antibodies should be used at the same concentration as the test antibody.(0.5mg/ml)

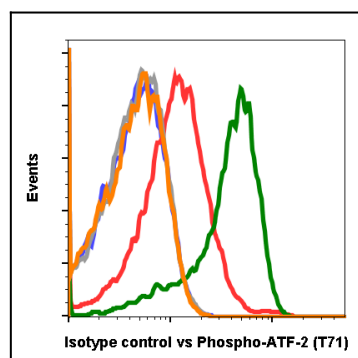


Fig-1: KLH-G9 does not show non-specific binding to human cells. Flow cytometric analysis of Jurkat cells secondary antibody only (blue) or untreated (grey) or treated with anisomycin (orange) using isotype control antibody KLH-G9 compared to untreated (red) or treated with anisomycin (green) using Phospho-ATF-2 (T71) antibody ATF2T71-G3 both tested at 0.1 µg/mL.

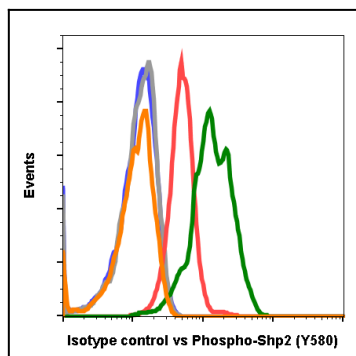


Fig 2 : KLH-G9 does not show non-specific binding to mouse cells. Flow cytometric analysis of NIH3T3 cells secondary antibody only (blue) or treated with imatinib (grey) or with pervanadate (orange) using isotype control antibody KLH-G9 compared to imatinib (red) or pervanadate (green) using Phospho-Shp2 (Y580) antibody Shp2Y580-4A2 both tested at 0.1  $\mu$ g/mL.

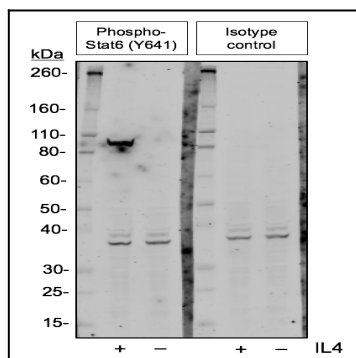


Fig-3: KLH-G9 does not show non-specific binding in Western blot applications. Western blot analysis of Daudi cells untreated or treated with 200 ng/mL IL-4 using isotype control antibody KLH-G9 or using Phospho-Stat6 (Y641) antibody Stat6Y641-G12 both tested at 0.01  $\mu$ g/mL.