

## Technical Data Sheet

**Purified Hamster IgG2,  $\lambda$ 1 Isotype Control****Product Information**

<b>Material Number:</b>	553962
<b>Alternate Name:</b>	Anti-KLH
<b>Size:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	Ha4/8
<b>Immunogen:</b>	Keyhole limpet hemocyanin
<b>Isotype:</b>	Armenian Hamster IgG2, $\lambda$ 1
<b>Storage Buffer:</b>	Aqueous buffered solution containing $\leq$ 0.09% sodium azide.

**Description**

The Ha4/8 antibody is specific for keyhole limpet hemocyanin (KLH). It is useful as an immunoglobulin isotype-matched negative control for immunofluorescent staining.

**Preparation and Storage**

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at 4°C.

**Application Notes****Application**

ELISA	Routinely Tested
Flow cytometry	Tested During Development
Isotype control	Tested During Development

**Recommended Assay Procedure:**

This immunoglobulin is useful as an isotype-matched negative control for immunofluorescent staining. Other reported applications include immunohistochemical staining (IHC). For IHC, we recommend the use of purified Ha4/8 mAb in our special formulation for immunohistochemistry, Cat. No. 550345.

**Product Notices**

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
3. Although hamster immunoglobulin isotypes have not been well defined, BD Biosciences Pharmingen has grouped Armenian and Syrian hamster IgG monoclonal antibodies according to their reactivity with a panel of mouse anti-hamster IgG mAbs. A table of the hamster IgG groups, Reactivity of Mouse Anti-Hamster Ig mAbs, may be viewed at [http://www.bdbiosciences.com/documents/hamster\\_chart\\_11x17.pdf](http://www.bdbiosciences.com/documents/hamster_chart_11x17.pdf).
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
5. An isotype control should be used at the same concentration as the antibody of interest.
6. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

**References**

Mendrick DL, Kelly DM. Temporal expression of VLA-2 and modulation of its ligand specificity by rat glomerular epithelial cells in vitro. *Lab Invest.* 1993; 69(6):690-702. (Immunogen)

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