



#### ORDERING INFORMATION

**Catalog Number:** BAF1898

**Lot Number:** KEI01

**Size:** 50 µg

**Formulation:** 0.2 µm filtered solution in PBS with BSA

**Storage:** -20° C

**Reconstitution:** sterile 0.1% BSA in TBS

**Specificity:** human CD229 extracellular domain

**Immunogen:** NS0-derived rhCD229 extracellular domain

**Ig Type:** goat IgG

**Applications:** Western blot  
Flow cytometry

## ***Biotinylated Anti-human CD229 Antibody***

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human CD229 (rhCD229). Human CD229 specific IgG was purified by human CD229 affinity chromatography and then biotinylated. CD229, also known as T lymphocyte surface antigen Ly-9, is a type I transmembrane protein belonging to the immunoglobulin superfamily. It is also a member of the CD150/SLAM receptor family and is expressed on T and B lymphocytes.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

### ***Reconstitution***

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/mL.

### ***Storage***

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody has been selected for use as a detection antibody in the applications listed below.

### ***Applications***

**Western Blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human CD229. The detection limit for rhCD229 is approximately 5 ng/lane under non-reducing and reducing conditions.

**Flow cytometry** - This antibody can be used at 3 - 10 µg/mL/10<sup>6</sup> cells with an appropriate secondary antibody for indirect immunofluorescence staining of cells by flow cytometry.

**Optimal dilutions should be determined by each laboratory for each application.**