



Catalog: OM296271

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# Anti-mouse IgG (H+L) (DyLight™ 680 Conjugate)

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☐ 100ug

## Product profile

Product name	Anti-mouse IgG (H+L) (DyLight™ 680 Conjugate)
Antibody Type	Secondary Antibodies
Product description	Anti-mouse IgG (H+L) was conjugated to DyLight™ 680 fluorescent dye under optimal conditions and formulated at 1 mg/ml. Excitation is 684 nm and peak fluorescence emission is 715 nm.

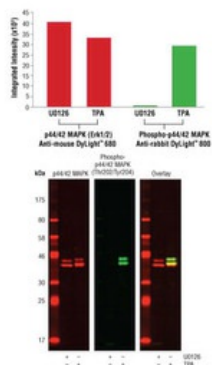
## Key Feature

Clonality	Monoclonal
Tested Applications	WB
Species Reactivity	Mouse
Concentration	1 mg/ml
Purification	

## Target Information

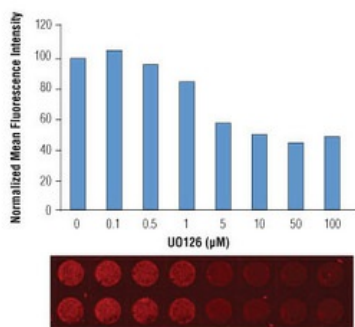
Tissue Specificity	Anti-mouse IgG (H+L) (DyLight™ 680 Conjugate) reacts with heavy and light chain of most mouse immunoglobulins. No cross-reactivity to other serum proteins has been detected. This antibody may cross-react with immunoglobulins from other species.
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## Application



#### Application

Western blot analysis of Jurkat cell lysates (#9194) treated with either U0126 (MEK 1/2 inhibitor) or TPA (12-O-Tetradecanoylphorbol-13-Acetate) #4174, using Phospho-p44/42 MAPK (Erk1/2) (Thr202/204) (D13.14.4E) XP® Rabbit mAb detected with Anti-rabbit IgG (H+L) (DyLight™ 800 Conjugate) (green) and p44/42 MAPK (Erk1/2) (3A7) Mouse mAb detected with Anti-mouse IgG (H+L) (DyLight™ 680 Conjugate) (red). The array image pixel intensities obtained using a LI-COR® Biosciences Odyssey® Infrared Imaging System are shown in the top figure while corresponding fluorescent western blots are shown in the bottom figure.



#### Application

In-Cell Western™ analysis of A549 cells exposed to varying concentrations of U0126 (MEK1/2 Inhibitor) for 3 hours, followed by TPA (Phorbol-12-Myristate-13-Acetate) stimulation for 30 minutes. With increasing concentrations of U0126, a significant decrease (~2.5 fold) in Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (E10) Mouse mAb signal as compared to the TPA-stimulated control was observed. Data and images were generated on the LI-COR® Biosciences Odyssey® Infrared Imaging System using Anti-mouse IgG (H+L) (DyLight™ 680 Conjugate).

## Additional Information

### Storage Instructions

The optimal dilution of the anti-species antibody should be determined by the user. However, the final dilutions below should yield acceptable results for the respective applications.

Fluorescent western blotting: 1:15000

In-Cell Western: 1:1000

**Storage:** Supplied in 100 mM PBS, pH 7.2, containing 1% BSA and 0.02% sodium azide. Store at 4°C. Protect from Light. Do not freeze.

### Storage Buffer

phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

### Note

The product is for research use only, not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt