



**Catalog Number:** MO22143

**Host:** Mouse

**Product Type:** Mouse Monoclonal IgG<sub>2a</sub>

**Species:** Human, Rat, Mouse, Porcine

**Immunogen Sequence:** Amino acids 1- 401 of human ALDH1L1

**Reactivity:** Horse, Bovine, Chicken

**Format:** 100 ul. Liquid. Affinity purified antibody in PBS with 10mM sodium azide as a preservative. Concentration of 1 mg/ml.

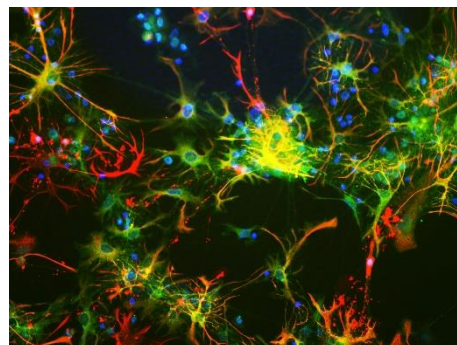
**Applications:** Immunofluorescence: 1:2,000-1:5,000  
Immunohistochemistry: 1:2,000-1:5000  
Western Blot: 1:10,000-1:20,000

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

**Storage:** Antibody can also be aliquotted and stored frozen at -20° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

### Application Notes.

*Image: Neuron-glia cell mixture cultures stained with MO22143 (green) and our Rabbit polyclonal antibody against GFAP: RA22101 (red). Blue is a DNA stain. MO22143 stains astrocytes and is excluded from neuron cells. ALDH1L1 stains the astrocytes cell body and processes, whereas GFAP labels the intermediate filament cytoskeleton in a subset of astrocytes. Astrocytes stained by both ALDH1L1 and GFAP appear yellow*



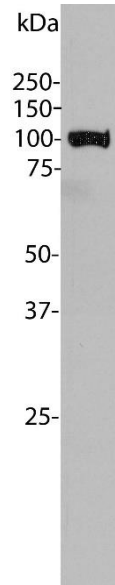
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Image: Blot of rat liver tissue homogenates blotted with MO22143. MO22143 binds strongly to a band at about 100 kDa..



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