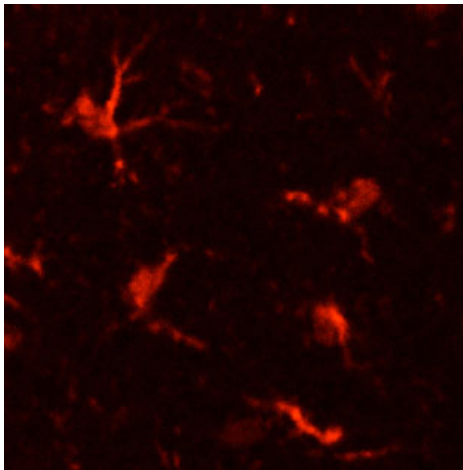
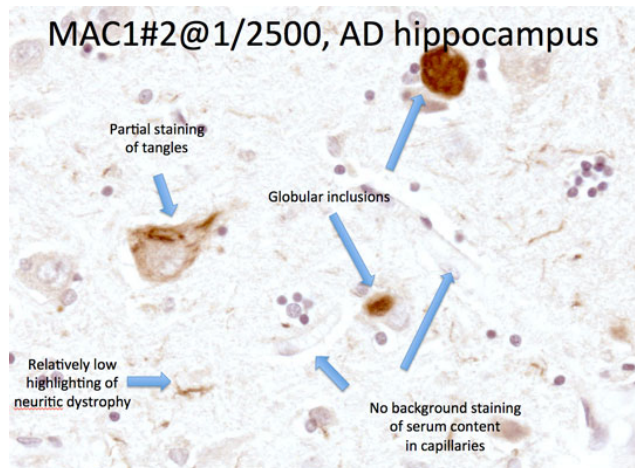


Product Datasheet**Chickens make *better* antibodies.****Anti-Integrin alpha-M (CD11b, MAC-1, OX-42 Antigen) Antibody****Overview**

Catalog #	MAC
Concentration	100 µg/mL
Host Species	Chicken Polyclonal
Format	Affinity-Purified IgY
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Applications	IHC 1:2000-1:5000 ICC 1:2000-1:5000 WB 1:2000-1:5000
Species Reactivity	Human, Mouse, and Rat
Immunogen	Synthetic peptide
Molecular Weight	170 kDa
Cite this Antibody	Aves Labs Cat# MAC, RRID: AB_2313548

Images

View of MAC1 immunoreactivity in microglial cells in a paraformaldehyde (4%)-fixed paraffin-embedded section through cerebral cortex of an adult mouse brain, (1:2000 dilution). 2° antibody was a Texas Red goat anti-chicken IgY (1:1000 dilution).



Frame showing MAC-1 immunoreactivity in human microglial cells in an Alzheimer's Disease patient. Photomicrograph taken by Dr. Randy Woltjer, Pathology, OHSU.

Details

Target Description	Integrin Alpha M (also known as MAC-1 and CD11b) is a 1142 amino acid protein expressed in various antigen-presenting cells of the immune system, including microglial cells of the central nervous system. This is the same protein that is recognized by the Ox-42 mouse monoclonal antibody.
Purification Method	Chickens were immunized with a Keyhole Limpet Hemocyanin (KLH)-conjugate of a synthetic peptide corresponding to a region near the center of the extracellular domain of this single-membrane pass gene product). After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column to which the same peptide was attached. Finally, the antibody concentration was adjusted to 100 µg/mL and filter-sterilized.
Quality Control Tests	Antibodies were analyzed by immunohistochemistry (at a concentration of 3 µg/mL) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) or HRP-labeled goat anti-chicken IgY (1:2000 dilution, Aves Labs, Cat.# H-1004) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience how chickens make better antibodies.

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