ARG30324
Neuroinflammation Antibody Panel

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG11062	anti-AIF1 / Iba 1 antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-Fr, WB	20 µl
ARG10514	anti-CD68 antibody [KP1]	Mouse mAb	Hu, Rat	FACS, ICC/IF, IHC-P, WB	20 µg
ARG52313	anti-GFAP antibody	Chicken pAb	Bov, Cat, Chk, Hu, Ms, Rb, Rat, R. Mk	ELISA, FACS, ICC/IF, IHC-P, IHC-Fr, WB	20 µl

Summary

Product Description

Neuroinflammation Antibody Panel is an all-in-one solution to make neuroinflammation research easy and economic. It is ideal for studying neuroinflammation in rodent models and patient samples. This antibody panel comprises the most popular neuroinflammation markers: the active macroglial marker CD68 antibody, macroglial marker Iba-1 antibody, and astrocyte marker GFAP antibody. All the antibodies in this panel have excellent staining performance. Moreover, the different host species of the antibodies make the panel as the best choice for triple staining.

Related news:
Inflammation antibody panels are released
Exploring Antiviral Immune Response

Target Name

Neuroinflammation

Alternate Names

Neuroinflammation antibody; CD68 antibody; AIF1 / Iba 1 antibody; GFAP antibody

Properties

Storage instruction

For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

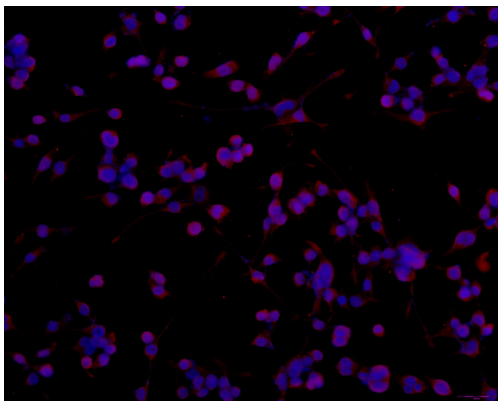
Gene Full Name

Antibody Panel for Neuroinflammation

Highlight

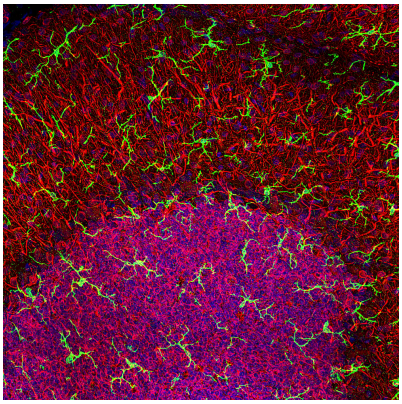
Related products:
Inflammation antibodies; Inflammation Duos / Panels;

Images



ARG11062 anti-AIF1 / Iba 1 antibody ICC/IF image (Customer's Feedback)

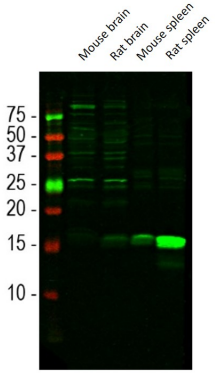
Immunofluorescence: BV-2 stained with ARG11062 anti-AIF1 / Iba 1 antibody at 1:100 dilution.



ARG11062 anti-AIF1 / Iba 1 antibody IHC-Fr image

Immunohistochemistry: High magnification stacked confocal image of Rat cerebellar molecular layer at top and granular layer below, stained with ARG11062 anti-AIF1 / Iba 1 antibody (green) at 1:1000 dilution. Nuclear DNA is shown with DAPI stain in blue.

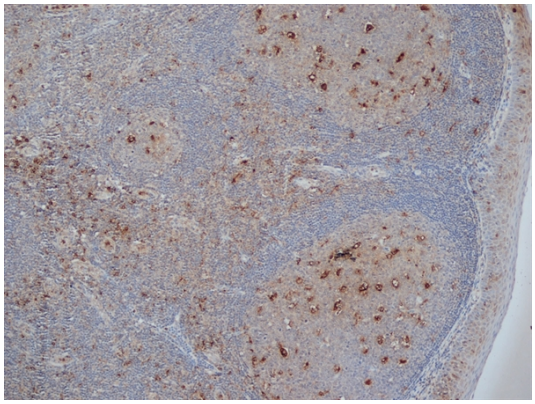
Microglia are very small cells with fine processes spreading in three dimensions and so are best visualized in a confocal Z stack. Red shows the processes of Purkinje cells and the perikarya of granule cells revealed by an antibody to MAP2, at 1:5000 dilution.



ARG11062 anti-AIF1 / Iba 1 antibody WB image

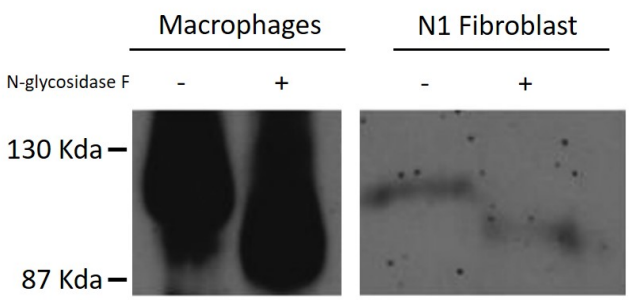
Western blot: Mouse brain, Rat brain, Mouse spleen, and Rat spleen lysates stained with ARG11062 anti-AIF1 / Iba 1 antibody at 1:1000 dilution.

Iba1 is a relatively minor protein of brain and is much more abundant in spleen, so the 15 kDa band is less obvious in CNS lysates. The other bands seen in the CNS lysates are of unknown origin but do not appear to compromise the migroglial specific staining seen with this antibody.



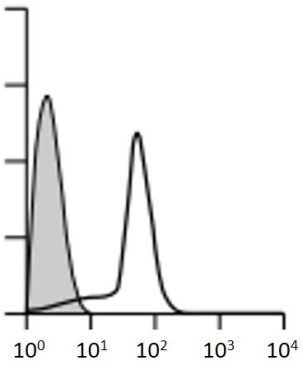
ARG10514 anti-CD68 antibody [KP1] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil stained with ARG10514 anti-CD68 antibody [KP1]. Antigen Retrieval: Boil tissue section in Citrate buffer (pH 6.0).



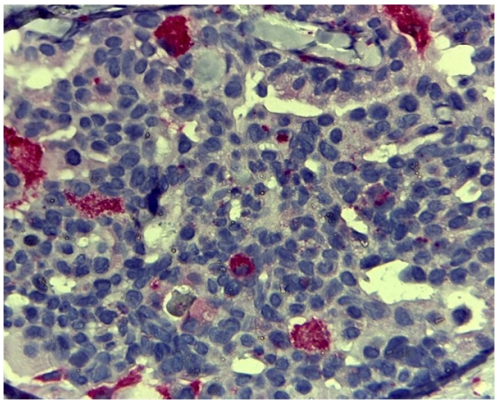
ARG10514 anti-CD68 antibody [KP1] WB image

Western blot: Human Macrophages and N1 Fibroblast untreated or treated with N-glycosidase F. The blots were stained with ARG10514 anti-CD68 antibody [KP1].



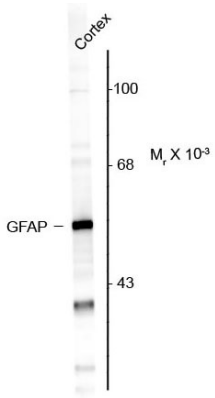
ARG10514 anti-CD68 antibody [KP1] FACS image

Flow Cytometry: THP1 cells prefixed with 4% PFA and then permeabilised with 0.25% saponin. Cells were stained with ARG10514 anti-CD68 antibody [KP1] (white area) or isotype control antibody (gray area).



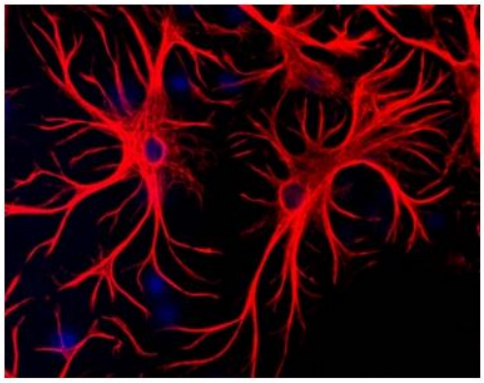
ARG10514 anti-CD68 antibody [KP1] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast carcinoma stained with ARG10514 anti-CD68 antibody [KP1].



ARG52313 anti-GFAP antibody WB image

Western Blot: Rat cortex lysate showing specific immunolabeling of the ~50k GFAP protein stained with ARG52313 anti-GFAP antibody.



ARG52313 anti-GFAP antibody ICC/IF image

Immunofluorescence: Mixed cultures of neurons and glia stained with ARG52313 anti-GFAP antibody (red), and DNA (blue). Astrocytes stain strongly and specifically in a clearly filamentous fashion with this antibody.