Product Datasheet

Flavivirus group antigen Antibody (D1-4G2-4-15 (4G2)) [Alexa Fluor® 647] NBP2-52709AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-52709AF647

Flavivirus group antigen Antibody (D1-4G2-4-15 (4G2)) [Alexa Fluor® 647]

(// [
0.1 ml
Please see the vial label for concentration. If unlisted please contact technical services.
Store at 4C in the dark.
Monoclonal
D1-4G2-4-15 (4G2)
0.05% Sodium Azide
IgG2a Kappa
Alexa Fluor 647
Protein A purified
50 mM Sodium Borate
Mouse
Virus
Dengue Virus, Zika Virus, West Nile Virus, Yellow Fever Virus, Flaviviridae.
This Flavivirus group antigen Antibody (D1-4G2-4-15 (4G2)) recognises flavivirus group specific antigens (Dengue virus, West Nile Virus, Japanese Encephalitis, Yellow Fever Virus, Zika virus etc). It binds to the fusion loop at the extremity of domain II of protein E.
This recombinant Flavivirus group antigen Antibody (D1-4G2-4-15 (4G2)) was prepared from Dengue Virus type 2 antigens.
Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details

Applications Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/

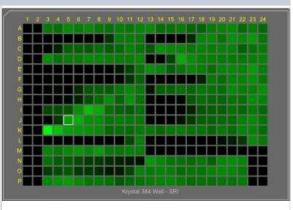
Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence, Neutralization



Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Neutralization, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined. Flavivirus group antigen antibody validated for IF from a verified customer review.

Images

IF assay in a high throughput format for screening Dengue virus inhibitors. HEK 293 cells in DMEM 5% FBS/1% PS at 5000 cells/well are infected in presence of inhibitors with Dengue 2 New Guinea (VR-1584) using 384-well collagen-coated plates. After 48 h incubation at 37C/5% CO2, the supernatant is removed and the Alexa Fluor 647 conjugated Ab is added at 1:5250. Plates were read after O/N incubation. Columns 1-2: Cells control. 23-24, rows A-L: Cells + virus control. 23-24, rows M-P: Cells + virus control + control drug (Positive control). 3-12 and 13-22: Experimental compounds added in a dose response manner from high to low concentration (Columns 3-13 higher concentration, columns 12-22 lower concentration).



Publications

Ruofan Wang, Germán G. Gornalusse, Yeseul Kim, Urvashi Pandey, Florian Hladik, Lucia Vojtech Potent Restriction of Sexual Zika Virus Infection by the Lipid Fraction of Extracellular Vesicles in Semen Frontiers in Microbiology 2020-09-29 [PMID: 33133043]



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Products Related to NBP2-52709AF647

NBP1-96981AF647

Mouse IgG2a Kappa Isotype Control (M2AK) [Alexa Fluor® 647]

Limitations

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.

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