

# Product Datasheet

## CD45 Antibody (30-F11) [Alexa Fluor® 488] NB100-77417AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB100-77417AF488**

CD45 Antibody (30-F11) [Alexa Fluor® 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	30-F11
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	Alexa Fluor 488
Purity	Protein G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rat
Gene ID	5788
Gene Symbol	PTPRC
Species	Human, Mouse, Rat
Reactivity Notes	Use in Human reported in scientific literature (PMID:34494385).
Specificity/Sensitivity	Recognizes all CD45 isoforms as well as the known mouse CD45 alloantigens (CD45-1/Ly 5a and CD45-2/Ly 5b)
Immunogen	This CD45 Antibody (30-F11) was prepared from Mouse thymus or spleen.
Notes	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 <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . 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, Flow Cytometry, Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vitro assay, In vivo assay, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Functional, In vitro assay, In vivo assay, CyTOF-ready



**Application Notes**

Optimal dilution of this antibody should be experimentally determined.

**Images**

Product Image: CD45 Antibody (30-F11) [Alexa Fluor® 488] [NB100-77417AF488] - Vial of Alexa Fluor 488 conjugated antibody. Alexa Fluor 488 is optimally excited at 490 nm by the Blue laser (488 nm) and has an emission maximum of 525 nm.

**Publications**

Samanta D, Huang T, Shah R et al. BIRC2 Expression Impairs Anti-Cancer Immunity and Immunotherapy Efficacy Cell Rep [PMID: 32846130] (FLOW, Mouse)

Details:

Citation using the PE format of this antibody.

Samanta D, Park Y, Ni X et al. Chemotherapy induces enrichment of CD47+/CD73+/PDL1+ immune evasive triple-negative breast cancer cells Proc. Natl. Acad. Sci. U.S.A. 2018-01-24 [PMID: 29367423] (Human)

Details:

This citation used the Alexa Fluor 488 form of this antibody



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### Products Related to NB100-77417AF488

NBP1-43323AF488	Rat IgG2b Kappa Light Chain Isotype Control (149/10H5) [Alexa Fluor® 488]
NB100-77417AF647	CD45 Antibody (30-F11) [Alexa Fluor® 647]
NBP2-51591-0.02mg	Recombinant Human CD45 His Protein
210-TA-005	TNF-alpha [Unconjugated]

### 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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