

# Product Datasheet

## Integrin alpha E/CD103 Antibody (ITGAE/3904R) [Alexa Fluor® 488] NBP3-08855AF488

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08855AF488**

Integrin alpha E/CD103 Antibody (ITGAE/3904R) [Alexa Fluor® 488]

| <b>Product Information</b>     |   |
|--------------------------------|---|
| <b>Unit Size</b>               | 100 ul  |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                 | Store at 4C in the dark.  |
| <b>Clonality</b>               | Monoclonal  |
| <b>Clone</b>                   | ITGAE/3904R   |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG   |
| <b>Conjugate</b>               | Alexa Fluor 488   |
| <b>Purity</b>                  | Protein A or G purified   |
| <b>Buffer</b>                  | 50mM Sodium Borate  |
| <b>Product Description</b>     |   |
| <b>Host</b>                    | Rabbit  |
| <b>Gene ID</b>                 | 3682  |
| <b>Gene Symbol</b>             | ITGAE   |
| <b>Species</b>                 | Human   |
| <b>Marker</b>                  | T-Cell Lymphoma & Hairy Cell Leukemia Marker  |
| <b>Specificity/Sensitivity</b> | This monoclonal antibody recognizes a protein of 150kDa, identified as CD103, which is the alpha-E integrin subunit of the heterodimeric alpha-E beta-7 (aEb7) integrin belonging to a small beta-7 integrin subfamily. CD103 is expressed on more than 95% of intraepithelial CD8+ cells and on 40% of mucosa-associated T cells, whereas less than 2% of resting blood lymphocytes are CD103-positive. In several malignant conditions, such as T-cell lymphomas and hairy cell leukemia (HCL), the cells express CD103. Antibody to CD103 is an extremely useful addition to the IHC panel for the diagnosis of hairy cell leukemia (HCL). |
| <b>Immunogen</b>               | Recombinant human Integrin alpha E/CD103 protein fragment (aa 775-855) (exact sequence is proprietary) (Uniprot: P38570 )   |

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|--------------|--|
| <b>Notes</b> | <p>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.</p> |
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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Immunohistochemistry-Paraffin  |
| <b>Recommended Dilutions</b>       | Immunohistochemistry-Paraffin  |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-08855AF488**

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|                    |   |
|--------------------|---|
| NBP2-24982         | Rabbit IgG Isotype Control [Alexa Fluor® 488]                 |
| H00003682-Q01-10ug | Recombinant Human Integrin alpha E/CD103 GST (N-Term) Protein |
| 210-TA-005         | TNF-alpha [Unconjugated]                                      |
| NBP2-10814         | Integrin alpha E/CD103 Overexpression Lysate                  |

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### **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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