

DESCRIPTION

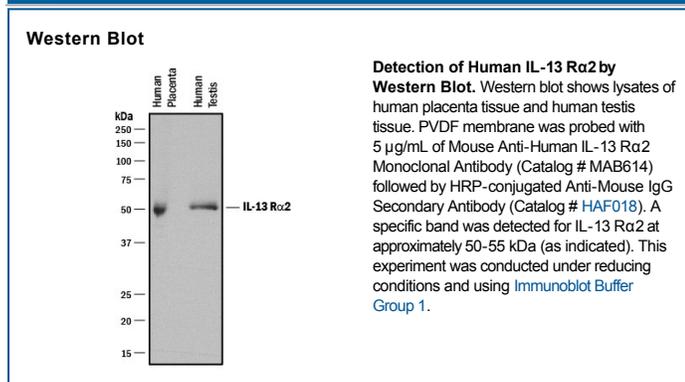
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|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects human IL-13 R α 2 in direct ELISAs and Western blots. In Western blots, this antibody shows approximately 5% cross-reactivity with recombinant human (rh) IL-4 R and rhIL-9 R and no cross-reactivity with rhIL-5 R α , rhIL-5 R β , rhIL-13 R α 1, or recombinant mouse IL-13 R α 2. |
| Source | Monoclonal Mouse IgG ₁ Clone # 83834 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant human IL-13 R α 2 Cys22-Leu342 Accession # Q14627 |
| Formulation | Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|---------------------|---------------------------|-----------|
| Western Blot | 5 μ g/mL | See Below |

DATA



PREPARATION AND STORAGE

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|--------------------------------|--|
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

Two type I membrane proteins belonging to the hemopoietin receptor family have been cloned and shown to bind IL-13 with high affinity. The lower affinity IL-13 binding protein is now referred to as IL-13 R α 1 and is also known as CD213a. IL-13 R α 1 combines with IL-4 R α to form a high affinity receptor complex capable of transducing an IL-13-dependent proliferative signal. The higher affinity IL-13 binding protein, now referred to as IL-13 R α 2, does not induce a signal and acts as a decoy receptor.