

Product Information Sheet

Ordering Information

Product Number: V100045
Product Name: Anti-Hemoglobin (HGB) antibody *Mouse anti-human, monoclonal IgG1*
Unit Size: 50 ug
Storage Conditions: Freeze (<-15 °C)
Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Appearance: Solid
Molecular Weight: N/A
Soluble In: Water
Excitation Wavelength: N/A
Emission Wavelength: N/A

Application Notes

Hemoglobin (HGB) is an iron-containing metalloprotein present in red blood cells. For most of fetal development and adulthood, hemoglobin exists as a tetramer consisting of two alpha and two beta polypeptide chains. It is responsible for the transport of oxygen from the lungs to the body's tissues and for the clearance of carbon dioxide from the body's tissues back to the lungs. In clinical biology, hemoglobin is an effective biomarker in fecal occult blood tests screening for colorectal cancer (CRC). Anti-HGB monoclonal antibodies are highly specific for the detection of human hemoglobin. They can be used for a broad range of immunoassays such as gold immunochromatography assays (GICA).